

MARKAL[®]

CATALOGUE – PRODUCT RANGE



MARKAL[®]

PRODUCT BROCHURE

LIQUID PAINT MARKERS



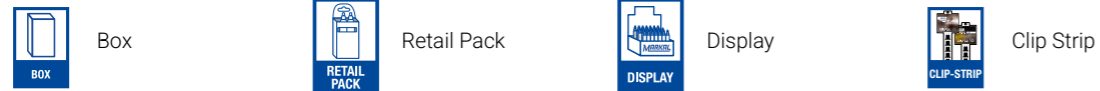
VERSATILE

RELIABLE



CAPTION

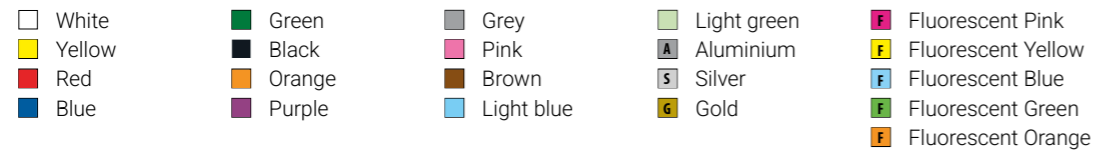
PACKAGING:



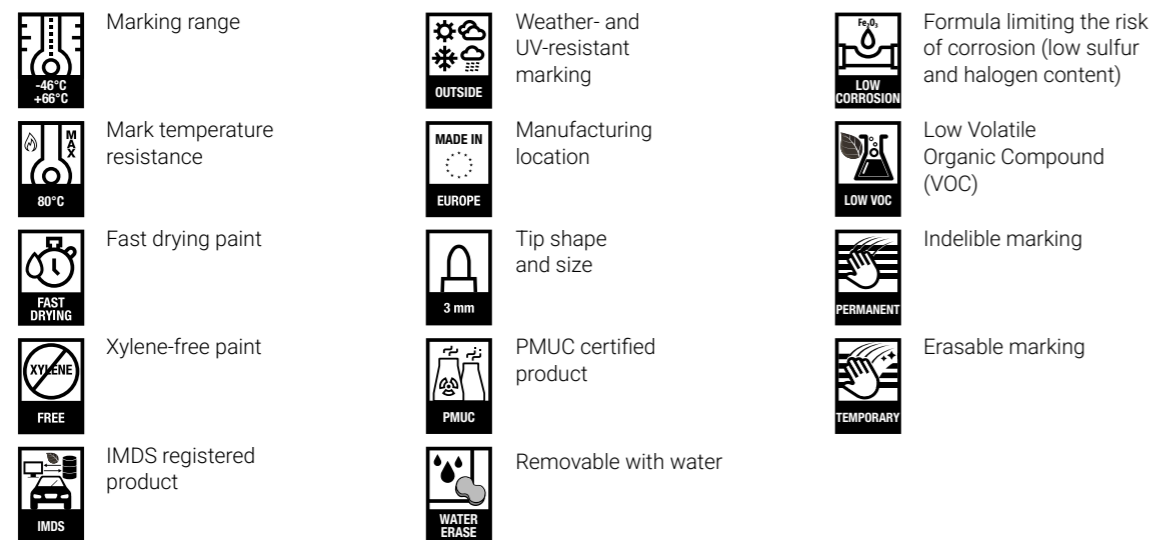
SURFACES :



COLORS :



PICTOGRAMS :



REACH :

LA-CO Industries Europe S.A.S follows the recommendations and positions of the EWIMA (European Writing Instrument Manufacturer's Association) regarding the classification of writing utensils as "ARTICLES" according to Reach definition in the European regulation (EC) n° 1907/2006, Art. 3 (3). So they do not fall under the European Dangerous Preparation Directive. As a consequence, there is no need to issue EC Safety Data Sheet for the following Markal® Valve markers included in this brochure.

For their internal needs, we provide our customers the MSDS for the inks and paints which are used in our markers. Please keep in mind that the information on these data sheets relates to the ink or paint in bulk. Because our products contain a comparatively small quantity of these inks and paints, most of this information will not be relevant to you. Assuming our products are used and stored in a normal way, they are not dangerous. For further information about Ewima position, do not hesitate to contact us.

LIQUID PAINT MARKERS

For over 80 years, Markal® has been the trusted leader in industrial marking solutions because of our commitment to developing new and innovative products for use in some of the world's toughest environments. Ideal for use in the automotive industry, construction, welding, and metal production and fabrication, liquid paint markers are one of the most versatile and relied upon industrial marking tools across the world. These permanent and temporary liquid paint markers offer real paint in multiple tip sizes and colors, including a range of certified colors for nuclear and other corrosion resistant applications.

1 Tips

- Designed for various types of paint, these extra-strong nibs resist crushing and fraying, guaranteeing long life and writing performance
- Pump system that releases paint on demand for continuous and consistent marking
- Replacement tips available, easy to prime or re-prime

2 Multiple paint formulations

- Formulas guaranteeing optimal adhesion on multiple surfaces (wet, oily, high temperature, water erasable, low corrosion, rough...)
- Xylene-free paints

3 4 Light and strong barrels

- Lightweight to reduce hand fatigue but also large enough to allow a comfortable grip when wearing work gloves.
- These impact resistant barrels are suitable for industrial applications

3 Plastic barrel

4 Aluminium barrel

5 Banner designation

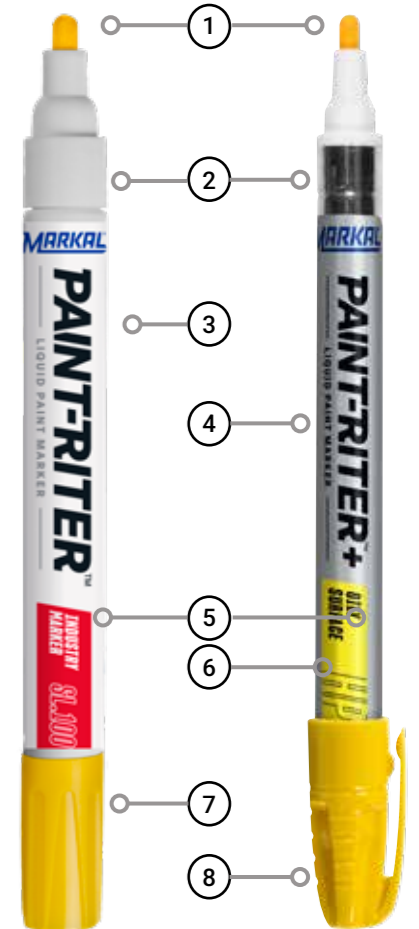
- Indicates the product name and explicitly describes the marker use

6 Banner colour

- Identifies the paint color

7 8 Caps

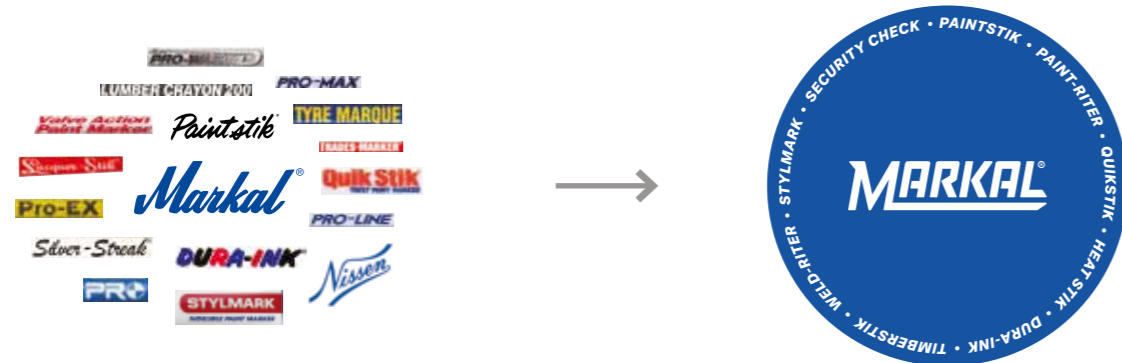
- Made of heavy-duty plastic, these rugged plugs are designed to provide a quick and complete seal to prevent premature drying
- Cap color indicates paint color
- The cap with clip for easy storage in a pocket or tool belt.
- Designed to prevent the marker from rolling and falling off the work table or bench



HOW TO USE ?

- First use :
 - Shake the marker vigorously with the cap securely attached in order to move the ball inside the barrel
 - Press the tip straight down into the barrel and hold for a few seconds
- For any use :
 - Shake the marker vigorously with the cap securely attached in order to move the ball inside the barrel
 - If the paint flow is not sufficient, re-prime the tip by pressing the tip straight down into the barrel and holding for a few seconds
 - If not used for a long period of time, securely cap the marker

BRAND TRANSITION



WHAT IS CHANGING

Changing:

- Logo
- Product Naming
- Packaging

NOT changing:

- Part Numbers
- Case Quantities
- Packaging Dimensions
- Product formulation

NEW NAMING SYSTEM

MARKAL + SUB-BRAND + CRITICALACTION

Old Names:

- Markal® SL.100
- Valve Action® Paint-Marker
- Pro-Line® Fine
- Pro-Line® Micro
- Pro-Max
- Nissen Jumbo Feltip Paint Marker
- Pocket Paint Marker

New Names:

- **Markal® PAINT-RITER® Industry Marker**
- **Markal® PAINT-RITER® Valve Action® Paint Marker**
- **Markal® PAINT-RITER® Fine**
- **Markal® PAINT-RITER® Micro**
- **Markal® PAINT-RITER® Jumbo**
- **Markal® PAINT-RITER® Jumbo Feltip**
- **Markal® PAINT-RITER® Pocket**

Old Names:

- Markal® SL.130
- Markal® SL.250
- Markal® SL.250 PMUC
- Markal® PRO-LINE® HP
- Markal® PRO-LINE® HT
- Markal® PRO-LINE® WP
- Markal® PRO-LINE® XT
- Valve Action® Paint-Marker Certified
- Valve Action® Paint-Marker Ultra-Violet
- Nissen Low Corrosion Fineline Paint Marker
- Pro-Wash D
- Pro-Wash W
- Galvanizer's Removable Paint Marker

New Names:

- **Markal® PAINT-RITER®+ Water Erase**
- **Markal® PAINT-RITER®+ Low Corrosion SL.250**
- **Markal® PAINT-RITER®+ Low Corrosion SL.250 PMUC**
- **Markal® PAINT-RITER®+ Oily Surface**
- **Markal® PAINT-RITER®+ Heat Treat**
- **Markal® PAINT-RITER®+ Wet Surface**
- **Markal® PAINT-RITER®+ Rough Surface**
- **Markal® PAINT-RITER®+ Certified**
- **Markal® PAINT-RITER®+ Ultra-Violet**
- **Markal® PAINT-RITER®+ Low Corrosion Fine**
- **Markal® PAINT-RITER®+ Detergent Removable**
- **Markal® PAINT-RITER®+ Water Removable**
- **Markal® PAINT-RITER®+ Galvanizer**

PERMANENT MARKING – STANDARD USE



PAINT-RITER® INDUSTRY MARKER SL.100



LIQUID PAINT MARKER FOR GENERAL MARKING

PAINT-RITER® Industry Marker SL.100 is a xylene-free, low-odor fast-drying liquid paint marker that provides long-lasting marks for almost any surface. The 15 opaque, bright colors are weather- and UV-resistant for excellent mark identification.

- Fast-drying, indelible permanent paint
- Strong and resistant tip
- Xylene-free paint

PART NR. — BOX



□ 31240120	■ 31240620	■ 31241120
■ 31240220	■ 31240720	■ 31241220
■ 31240320	■ 31240820	■ 31241320
■ 31240420	■ 31240920	■ 31241520
■ 31240520	■ 31241020	■ 31241620

PART NR. — RETAIL PACK



1 PACK

22330 : 1x □	22331 : 1x ■
22332 : 1x ■	22333 : 1x ■
22334 : 1x ■	22335 : 1x ■

2 PACK

22328 : 2x □	22329 : 1x □ 1x ■
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4 PACK

22229 : 2x □ 2x ■
22230 : 1x □ 1x ■ 1x ■ 1x ■
22231 : 1x □ 1x ■ 1x ■ 1x ■
22232 : 1x □ 1x ■ 1x ■ 1x ■
22233 : 1x ■ 1x ■ 1x ■ 1x ■

6 PACK

31200120 : 1x □ 1x ■ 1x ■ 1x ■ 1x ■ 1x ■
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PART NR. — DISPLAY



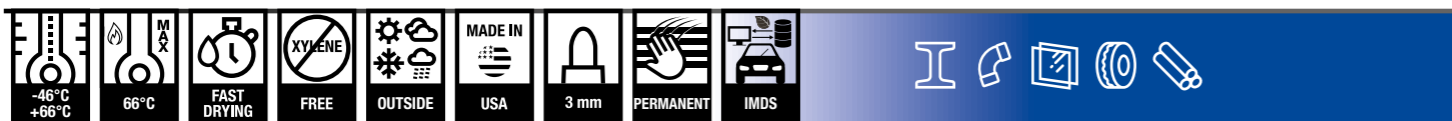
199001:
12x □ 8x ■ 3x ■
3x ■ 3x ■ 3x ■

PART NR. — READY-TO-SELL



22550: PAINT-RITER® Industry Marker SL100 x96 :	22551: PAINT-RITER® Industry Marker SL100 x96 :
■ x24 (2 boxes) + □ x24 (2 boxes) + ■ x24 (2 boxes) + ■ x24 (2 boxes)	■ x48 (4 boxes) + □ x48 (4 boxes)





PAINT-RITER® VALVE ACTION® PAINT MARKER

LIQUID PAINT MARKER FOR GENERAL MARKING

PAINT-RITER® Valve Action® Paint Marker is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

- Fast-drying, indelible permanent paint
- Xylene-free paint
- 18 colors including 4 fluorescent

PART NR. — BOX	PART NR. — RETAIL PACK	PART NR. — DISPLAY
<ul style="list-style-type: none"> 96820 96822 96826 96824 96830 96835 96832 97053 97051 	<ul style="list-style-type: none"> 96821 96825 96823 96817 96809 96828 96827 97050 97052 	<ul style="list-style-type: none"> 199002: 10x 8x 2x 2x 2x 2x 2x 2x 2x 2x
	PART NR. — RETAIL PACK	PART NR. — READY-TO-SELL
	4 PACK 22234 : 2x 2x 2x 22235 : 1x 1x + 1x + 1x + 1x + 1x	22570: x48 units x12 (1 box) + x12 (1 box) + x12 (1 box) + x12 (1 box)
	1 PACK 22300 : 1x 22301 : 1x 22303 : 1x 22304 : 1x 22308 : 1x 22309 : 1x	22571: x48 units x24 (2 boxes) + x24 (2 boxes)
	2 PACK 22298 : 2x 22299 : 1x + 1x	22572: PAINT-RITER® Product Mix (Valve Action & Oily Surface HP) x48: x12 Valve Action (1 box) + x12 Valve Action (1 box) + x12 Oily Surface HP (1 box) + x12 Oily Surface HP (1 box)



PAINT-RITER® WATER BASED

WATER-BASED LIQUID PAINT MARKER

PAINT-RITER® Water Based Paint Marker is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. PAINT-RITER® Water Based Paint Marker is a general purpose marker ideal for making clear, bold markings on almost any surface in environments where VOC issues are a concern.

- Low odor
- Low VOC
- Xylene-free paint

PART NR. — BOX	PART NR. — BOX	PART NR. — BOX
<ul style="list-style-type: none"> 97400 97401 97402 	<ul style="list-style-type: none"> 97405 97406 97403 	<ul style="list-style-type: none"> 97404 97407 97410



PAINT-RITER® FINE & MICRO

LIQUID PAINT MARKERS FOR FINE LINE MARKING

PAINT-RITER® Fine and PAINT-RITER® Micro liquid paint markers combine the durability of paint with the marking precision of fine, valve-actuated tips. Whether marking on small surface areas or where easily-readable marks are required, the small tip sizes provide highly-visible, sharp lines for greater mark identification.

- Available in fine and micro tip sizes
- High-strength, lightweight barrel
- Xylene-free paint

FINE — PART NR. — BOX		MICRO — PART NR. — BOX	
<ul style="list-style-type: none"> 96871 96874 96876 	<ul style="list-style-type: none"> 96872 96875 96873 	<ul style="list-style-type: none"> 96888 96891 	<ul style="list-style-type: none"> 96889 96890
1.5 mm		0.8 mm	



PAINT-RITER® JUMBO

EXTRA-LARGE LIQUID PAINT MARKER

PAINT-RITER® Jumbo is a liquid paint marker with an extra-large tip to provide the biggest and most highly-visible marks. The wear-, water-, and weather-resistant paint dries quickly to leave bold, easy-to-read marks and is safe for almost any surface.

- Extra large tip ideal for signage or safety marking (up to 14 mm)
- High visibility marks
- Xylene-free paint

PART NR. — BOX	PART NR. — BOX
<ul style="list-style-type: none"> 90900 90902 90906 	<ul style="list-style-type: none"> 90901 90905 90903



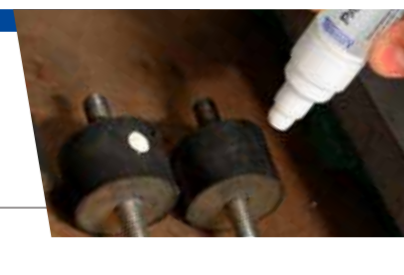
PAINT-RITER® POCKET

INDELIBLE POCKET PAINT MARKER WITH REVERSIBLE NIBS (CHISEL/FLAT BULLET POINT)

PAINT-RITER® Pocket is a xylene-free, low-odor fast-drying liquid paint marker in a pocket size that provides long-lasting marks for almost any surface. Its reversible nib (chisel or flat-bullet) offers a variation of marking sizes. The flat-bullet side of the nib is engineered for easy and visible dot-marking.

- Strong reversible nib : Tip can be either chisel for broad or thin marks, or flat-bullet for dot-marking
- Convenient pocket size marker: 11,7cm long x 2,5cm in diameter
- Xylene-free paint

PART NR. — BOX	PART NR. — BOX
<ul style="list-style-type: none"> 97500 97502 97504 	<ul style="list-style-type: none"> 97501 97505 97503



INDELIBLE MARKING – SPECIFIC USE



PAINT-RITER®+ OILY SURFACE HP

LIQUID PAINT MARKER FOR OILY SURFACE MARKING

PAINT-RITER®+ Oily Surface HP is a liquid paint marker developed for superior marking performance on oily and greasy surfaces. The high performance paint penetrates through oils and greases to dry quickly and leave a bold, permanent mark that is wear-, weather-, and fade-resistant.

- Resists spreading and dries quickly through oily surfaces
- IMDS registered product

- Xylene-free paint



PART NR. — BOX	PART NR. — RETAIL PACK	PART NR. — DISPLAY
<ul style="list-style-type: none"> 96960 96962 96966 96964 96973 96971 96967 	<p>4 PACK</p> <ul style="list-style-type: none"> 22236 2x 2x 22237 1x 1x 1x 1x <p>1 PACK</p> <ul style="list-style-type: none"> 22280 x1 22281 x1 22282 x1 22283 x1 22284 x1 22285 x1 <p>2 PACK</p> <ul style="list-style-type: none"> 22293 x2 22294 x1 x1 	<p>199005:</p> <ul style="list-style-type: none"> 12x 8x 3x 3x 3x 3x <p>PART NR. — READY-TO-SELL</p> <ul style="list-style-type: none"> 22560: x48 units x12 (1 box) + x12 (1 box) + x12 (1 box) + x12 (1 box) 22561: x48 units x24 (2 boxes) + x24 (2 boxes) 22572: <p>PAINT-RITER® Product Mix (Valve Action & Oily Surface HP) x48:</p> <ul style="list-style-type: none"> x12 Valve Action (1 box) + x12 Valve Action (1 box) + x12 Oily Surface HP (1 box) + x12 Oily Surface HP (1 box)



PAINT-RITER®+ WET SURFACE

LIQUID PAINT MARKER FOR WET SURFACE MARKING

The PAINT-RITER®+ Wet Surface is a liquid paint marker engineered for enhanced marking performance and adhesion on wet surfaces. The fast-drying formula resists spreading and running when in contact with water or water-based fluids to leave a bright, permanent mark.

- Resists running or spreading on wet or damp surfaces
- Xylene-free paint
- Low VOC

PART NR. — BOX
<ul style="list-style-type: none"> 96930 96932 96935 96936 96931 96934 96933



LOW CORROSION MARKERS

WHAT ARE LOW CORROSION MARKERS ?

As technology continues to advance, many industries such as nuclear power generation, oil refining, aerospace, shipbuilding, and the military are relying upon stainless steel and various alloy metals for use in highly sensitive equipment. These environments often utilize high pressures, temperatures or hazardous materials, and unwanted corrosion can weaken this sensitive equipment and cause dangerous health and safety risks. "Low Corrosion" markers contain inks or paints formulated with limited halogens and sulphur to reduce the risk of corrosion.

WHAT DOES IT MEAN TO BE PMUC CERTIFIED ?



PMUC stands for « Produits et Matériaux Utilisés en Centrale nucléaire », which means « Products and materials used in nuclear plants ». It is a French technical designation that qualifies all material or products that are allowed to be used on a nuclear plant. For use on all IPS circuits (IPS = Important for safety), the content of halogenated elements (chlorine, fluorine and bromine) and sulfur in PMUCs is limited because of the risk of corrosion of metallic components. Gaining the PMUC qualification is a demanding process that ensures the quality of a product destined to be used in a nuclear plant, where safety is of the uttermost essence. In the case of Markal®, each batch of paint used in the composition of our PMUC products is subject to a systematic individual chemical analysis.

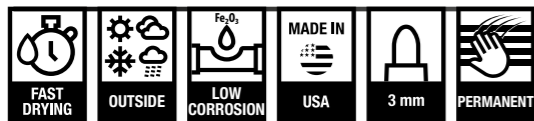
When the paint meets the requirements of this approval, it is then used to fill PMUC markers. Its batch number is therefore written on each marker, on its packaging, and reported on the delivery note, thus ensuring complete traceability. Markal® is the only manufacturer of EDF PMUC approved manual marking products able to offer in a PMUC version, the PAINT-RITER®+ Low Corrosion SL.250 liquid paint marker and the Stylmark+ Low Corrosion ST.2100 ballpoint tube.

This confers a leading position in the field of marking tools in nuclear enclosures on the French market.

Both versions fulfill the following requirements:

- Halogen and Sulfur Free
- Chloride (Cl) + Fluoride (F) + Bromide (Br) + Iodine (I) < 200 ppm
- Sulphur (S) < 200 ppm





PAINT-RITER®+ AEROSPACE

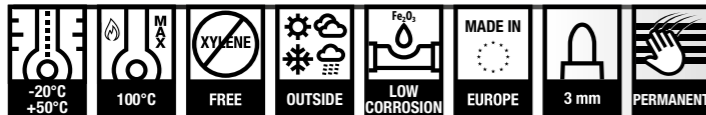


AEROSPACE LIQUID PAINT MARKER

PAINT-RITER®+ Aerospace is a permanent liquid paint marker that dries quickly to leave wear and weather resistant marks. The paint formula contains low levels of chlorides, halogens, low melting point metals and sulfur and is pre-certified to meet GE D50TF8 and Rolls-Royce EMS 56752 specifications, making it safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement.

- Batch certified to meet GE D50TF8 and Rolls-Royce EMS 56752
- Paint formula contains low levels of chlorides, halogens, low melting point metals and sulfur

PART NR. — BOX					
	<table border="0"> <tr> <td>□ 96892</td> <td>■ 96893</td> </tr> <tr> <td>■ 96894</td> <td>■ 96895</td> </tr> </table>	□ 96892	■ 96893	■ 96894	■ 96895
□ 96892	■ 96893				
■ 96894	■ 96895				



PAINT-RITER®+ LOW CORROSION SL.250 & LOW CORROSION SL.250 PMUC



LIQUID PAINT MARKERS FOR STAINLESS STEEL MARKING

PAINT-RITER®+ Low Corrosion SL.250 is a xylene-free, low-odor, and fast-drying liquid paint marker that meets the European nuclear requirements. The low sulfur and low chloride content allows for safe marking on stainless steel. PAINT-RITER®+ Low Corrosion SL.250 PMUC is a unique liquid paint marker certified for nuclear plants in France. Each marker is traceable to a manufactured batch number on the PMUC certificate that is required and controlled by EDF. Its low sulfur and low chloride content is safe for use on stainless steel, alloy, and other super alloy metals where corrosion resistance is a requirement.

- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- Fast-drying, permanent paint for immediate handling reduces work downtime

STANDARD — PART NR. — BOX		PMUC — PART NR. — BOX													
	<table border="0"> <tr> <td>□ 31200129</td> <td>■ 31200229</td> </tr> <tr> <td>■ 31200329</td> <td>■ 31200429</td> </tr> <tr> <td>■ 31200529</td> <td>■ 31200629</td> </tr> </table>	□ 31200129	■ 31200229	■ 31200329	■ 31200429	■ 31200529	■ 31200629		<table border="0"> <tr> <td>□ 31600129</td> <td>■ 31600229</td> </tr> <tr> <td>■ 31600329</td> <td>■ 31600429</td> </tr> <tr> <td>■ 31600629</td> <td></td> </tr> </table>	□ 31600129	■ 31600229	■ 31600329	■ 31600429	■ 31600629	
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□ 31600129	■ 31600229														
■ 31600329	■ 31600429														
■ 31600629															

DELIVERED WITH A BATCH NUMBER AND AN OFFICIAL CERTIFICATE WITH THE PRODUCT SHIPMENT



PAINT-RITER®+ CERTIFIED



NUCLEAR PRE-CERTIFIED LIQUID PAINT MARKER

The PAINT-RITER®+ Certified is a highly-visible liquid paint marker pre-certified to contain low levels of chlorides, halogens, low melting point metals and sulfur. Each manufactured batch is individually analyzed and certified to meet U.S.A. and International nuclear and military specifications, and is safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement.

- Ideal for use on stainless steel or superalloys in industries that require prevention against corrosion, pitting, or degradation
- Certified to meet the following U.S.A. and international specifications: MIL- STD-2041D, U.S. DOE RDT F-7-3T (expired), U.S. Navy C3070
- Individual lot analysis and certification available at www.markal.com/certified for quick, accurate reference

PART NR. — BOX							
	<table border="0"> <tr> <td>□ 96880</td> <td>■ 96881</td> </tr> <tr> <td>■ 96882</td> <td>■ 96884</td> </tr> <tr> <td>■ 96885</td> <td>■ 96883</td> </tr> </table>	□ 96880	■ 96881	■ 96882	■ 96884	■ 96885	■ 96883
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■ 96882	■ 96884						
■ 96885	■ 96883						



PAINT-RITER®+ LOW CORROSION FINE



LOW CORROSION FINE POINT PAINT MARKER

The PAINT-RITER®+ Low Corrosion Fine is engineered to contain low levels of chlorides, halogens, and sulfur with industrial-grade durability marks. The low corrosion paint formula is safe for use on stainless steel, alloys, and other superalloy metals and will not contribute to unwanted corrosion, degradation, or pitting from use.

- Fast-drying paint formula is safe for use on stainless steel and eliminates concerns regarding corrosion, degradation, or pitting
- Durable plastic precision nib for fine line marking

PART NR. — BOX	
	■ 28780





PAINT-RITER®+ ROUGH SURFACE



LIQUID PAINT MARKER FOR ROUGH SURFACES AND EXTREME DURABILITY

PAINT-RITER®+ Rough Surface is a liquid paint marker engineered for the ultimate marking performance on rough, rusty, and dirty surfaces that utilizes an enamel resin to provide enhanced wear-, weather-, and chemical-resistance. The fast-drying paint formula binds quickly to materials to leave a bold, highly-visible mark and is free of Xylene and other harmful chemicals to reduce user health risks.

- Engineered for continuous and highly-visible marking on rough, rusty, and dirty surfaces
- Enamel paint for extreme durability and enhanced wear-, weather-, and chemical-resistance

PART NR. — BOX	
	97250
	97251
	97252
	97253
	97254
	97255
	97256
	97262
	97263



PAINT-RITER®+ HEAT TREAT



LIQUID PAINT MARKER FOR HIGH TEMPERATURE RESISTANCE

The PAINT-RITER®+ Heat Treat is a unique liquid paint marker engineered with industry-leading PrismaLock™ technology, which locks in colors for bright, bold marks that can withstand temperatures of up to 1,800°F (982°C). By using speciality pigments and resins, this fast-drying paint offers unparalleled durability and mark readability, with some colors retaining easily legible marks up to 2,200°F (1,204°C).

- Withstand temperatures of up to 1,800°F (982°C)
- Fast-drying, indelible permanent paint
- Xylene-free paint

PART NR. — BOX	
	97301
	97302
	97303
	97305



PAINT-RITER®+ ULTRA VIOLET



LIQUID PAINT MARKER VISIBLE IN UV LIGHT

The PAINT-RITER®+ Ultra Violet makes an invisible paint mark that glows bright blue when viewed with a UV or black light, making it ideal for security, quality control, tamper-proofing, and anti-counterfeiting processes. The permanent invisible liquid paint dries quickly to provide long-lasting, weather- and wear-resistant marks.

- Makes clear, invisible marks that illuminate bright blue when viewed with an ultraviolet or black light
- Ideal for security, theft-prevention, and quality control
- Fast drying formula reduces smearing

PART NR. — BOX	
	97054 (UV)



REPLACEMENT TIPS FOR PAINT MARKERS

PART NR. — BOX	
	96867 PAINT-RITER® Valve Action® Paint Marker
	96908 PAINT-RITER®+ Oily Surface HP
	97515 PAINT-RITER® Pocket
	31249920 PAINT-RITER® Industry Marker SL.100
	PAINT-RITER®+ Low Corrosion SL.250
	97023 PAINT-RITER®+ Rough Surface
	PAINT-RITER®+ Water Removable
	PAINT-RITER®+ Detergent Removable
	31209930 PAINT-RITER® Fine



TEMPORARY MARKING



PAINT-RITER®+ WATER ERASE SL.130



REMOVABLE LIQUID PAINT MARKER FOR TEMPORARY MARKING

PAINT-RITER®+ Water Erase SL.130 is a crayon-based liquid paint that easily wipes away with water from any smooth, non-porous surface without leaving a ghost trace or residue once the mark is removed.

- Marks can be easily wiped away
- Xylene-free paint
- 9 bright colors including 4 fluos are excellent for temporary mark identification, quality control, and parts inspection

PART NR. — BOX		PART NR. — RETAIL PACK	
	31200126		2 PACK
	31200326		22348 : 2x
	31200526		22349 : 1x 1x
	31201926		22350 : 1x 1x
	31201826		22351 : 1x 1x
			1 PACK
			22352 : 1x
			22353 : 1x
			22354 : 1x
			22355 : 1x



PAINT-RITER®+ WATER REMOVABLE & PAINT-RITER®+ DETERGENT REMOVABLE



REMOVABLE LIQUID PAINT MARKERS

PAINT-RITER®+ Water Removable and PAINT-RITER®+ Detergent Removable are removable liquid paint markers that dry fast and can be quickly and easily washed off of any non-porous surfaces without ghosting or leaving a residue. The unique paints make highly-visible and durable marks until removal is required, making these markers ideal for quality control, assembly operations, and part defect identification.

- **PAINT-RITER®+ Water Removable :**
Marks can be removed simply and quickly with water
- **PAINT-RITER®+ Detergent Removable :**
Marks can be removed with detergent solutions that have a pH level of 10 or above

WATER REMOVABLE — PART NR. — BOX		DETERGENT REMOVABLE — PART NR. — BOX	
	97030		97010
	97032		97011
	97036		97012
			97015
			97016
			97013



PAINT-RITER®+ GALVANIZER



REMOVABLE PAINT MARKER FOR GALVANIZING

The PAINT-RITER®+ Galvanizer is designed for fabricators for making durable marks on steel during fabrication. The marks are then designed to be removed completely for galvanizers during the pickling process prior to galvanizing. This eliminates the need for any extensive, expensive, time consuming touch-up work.

- Marks are removed completely during the pickling process
- Weather resistant paint formula

PART NR. — BOX	
	28785
	28786



PAINT-RITER®+ WINDOW MARKER



GLAZING PAINT MARKER

The PAINT-RITER® Window Marker is a specially engineered, smooth-marking liquid paint formula that creates temporary brilliant marks on windows, glass and automobiles. Marks are safely removed with water and leave no ghosting or residue, making this an essential tool for auto body shops, car rental lots, dealerships and more.

- 6 vividly bright colors
- Weather resistant paint formula
- Easy removal

PART NR. — BOX			
	97450		97451
	97452		97453
	97454		97455



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL®

PRODUCT BROCHURE

BALL PAINT MARKERS



BRIGHT
PRECISE
PERMANENT

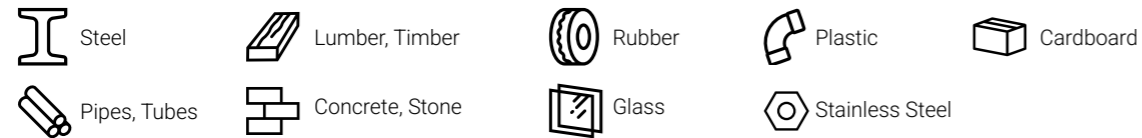


CAPTION

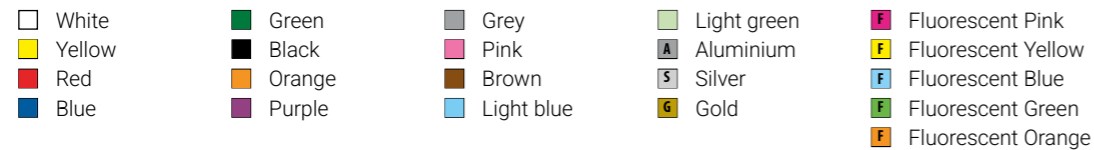
PACKAGING:



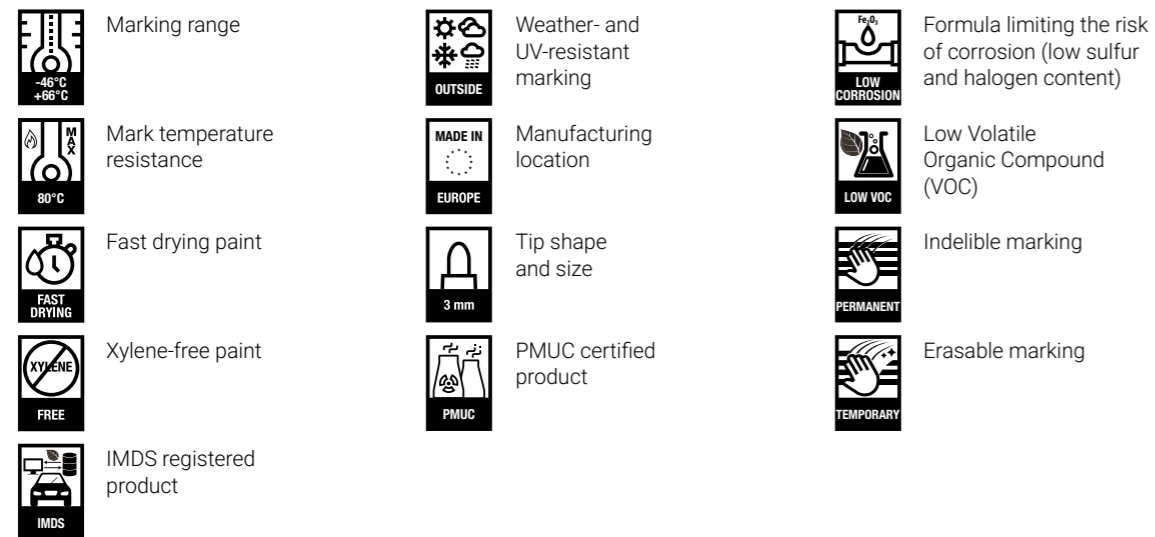
SURFACES :



COLORS :



PICTOGRAMS :



BALL PAINT MARKERS

For over 50 years, Markal® has manufactured in its French location the best quality tube marker. With its steel ball tip pressed on a heavy-duty aluminum squeeze tube, and its thick and bright paint, these markers are suitable for most industrial applications. They will be your preferred marker where a bright and precise marking has to be done on a rough, wet or oily surface with a long lasting, UV and water resistant paint.

Cap

- Solid
- Indicates the paint color

Ball

- Abrasion resistant steel ball on rough surfaces
- Allows marking on the most difficult surfaces
- Different sizes of tips available : 2mm, 3mm, 6mm

Tip

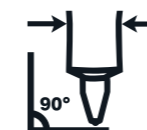
Improved tip and springs to deliver a smooth paint flow.

Tube

Soft and strong aluminium body specifically designed for optimal product use.



HOW TO USE ?



- Hold the marker vertically when marking
- Apply vertical pressure to the surface so that the ball retracts into the tip and allows the paint to flow



- Do not bend or roll up the tube to avoid puncturing it

STYLMARK ORIGINAL



STYLMARK ORIGINAL

BALL TUBE MARKER FOR MULTIPLE SURFACES

STYLMARK Original is a metal-ball tip marker for marking most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risks.



COLOURS	PART NR.:	2MM	6MM	3MM	PART NR. — DISPLAY (3MM)
		96640	96664	96652	199014 5x + 5x + 5x
		96641	96665	96653	
		96642	96689	96654	
		96644	96682	96657	
		96645	96683	96658	
		96643	96667	96655	
		-	-	96656	
		-	-	96660	
		-	-	96662	
		-	-	96659	
		-	-	96661	



Part nr. 199014



Part nr. 22501



STYLMARK+ HIGH TEMPERATURE HT.1000

BALL TUBE MARKER FOR ANNEALING AND HEAT-TREATING

STYLMARK+ High Temperature HT.1000 is a metal-ball tip marker that is ideal for annealing and heat-treating operations. Mark at ambient temperature and the high-performance paint withstands temperatures up to 1000°C. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces.



COLOURS	PART NR.:	3MM	6MM
		96700	96702
		96701	96703



LOW CORROSION BALL PAINT MARKERS

WHAT ARE LOW CORROSION MARKERS ?

As technology continues to advance, many industries such as nuclear power generation, oil refining, aerospace, shipbuilding, and the military are relying upon stainless steel and various alloy metals for use in highly sensitive equipment. These environments often utilize high pressures, temperatures or hazardous materials, and unwanted corrosion can weaken this sensitive equipment and cause dangerous health and safety risks. "Low Corrosion" markers contain inks or paints formulated with limited halogens and sulphur to reduce the risk of corrosion.

WHAT DOES IT MEAN TO BE PMUC CERTIFIED ?



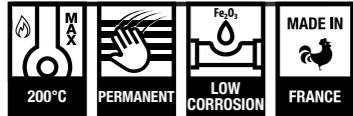
PMUC stands for « Produits et Matériaux Utilisés en Centrale nucléaire », which means « Products and materials used in nuclear plants ». It is a French technical designation that qualifies all material or products that are allowed to be used on a nuclear plant. For use on all IPS circuits (IPS = Important for safety), the content of halogenated elements (chlorine, fluorine and bromine) and sulfur in PMUCs is limited because of the risk of corrosion of metallic components. Gaining the PMUC qualification is a demanding process that ensures the quality of a product destined to be used in a nuclear plant, where safety is of the uttermost essence. In the case of Markal®, each batch of paint used in the composition of our PMUC products is subject to a systematic individual chemical analysis. When the paint meets the requirements of this approval, it is then used to fill PMUC markers. Its batch number is therefore written on each marker, on its packaging, and reported on the delivery note, thus ensuring complete traceability. Markal® is the only manufacturer of EDF PMUC approved manual marking products able to offer in a PMUC version, the PAINT-RITER®+ Low Corrosion SL.250 liquid paint marker and the STYLMARK+ Low Corrosion ST.2100 ballpoint tube.

This confers a leading position in the field of marking tools in nuclear enclosures on the French market.

Both versions fulfill the following requirements:

- Halogen and Sulfur Free
- Chloride (Cl) + Fluoride (F) + Bromide (Br) + Iodine (I) < 200 ppm
- Sulphur (S) < 200 ppm





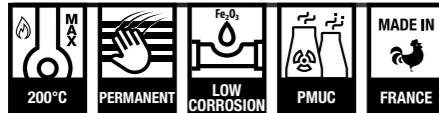
STYLMARK+ LOW CORROSION ST.2100

BALL TUBE MARKER FOR STAINLESS STEEL MARKING

STYLMARK+ Low Corrosion ST.2100 is a metalball tip marker that meets European nuclear requirements. The low sulfur and low chloride content allows for safe marking on stainless steel. The aluminum squeeze tube and thick paint makes it suitable for vertical and overhead surfaces.



COLOURS	PART NR. — 3MM	PART NR. — 6MM
	97160	97170
	97161	97171
	97162	97172
	97164	-
	97165	-
	97163	-



STYLMARK+ LOW CORROSION ST.2100 PMUC

BALL TUBE MARKER FOR STAINLESS STEEL MARKING

- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- Official PMUC certification : <200 ppm total halogens (chlorides, fluoride, bromide, iodine), <200 ppm sulfur
- Each marker is delivered with a batch number and an official certificate with the product shipment



COLOURS	PART NR. — 3MM
	97360
	97361
	97362
	97363
	97364

DELIVERED WITH A BATCH NUMBER
AND AN OFFICIAL CERTIFICATE WITH
THE PRODUCT SHIPMENT



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL[®]

PRODUCT BROCHURE

SECURITY CHECK MARKERS



QUICK AND EASY DETECTION
OF LOOSENESS IN BOLTED JOINTS

REAL 3D
PAINT MARK



SECURITY CHECK MARKERS

Loose Fasteners: Problems and Solutions for Maintenance and OEM Quality Control

Accidents never happen without a cause... Vibration, expansion, contraction and corrosion can create side to side thread movement which leads to loosening and ultimately fastener failure. Assemblies have to be frequently checked and retightened. Fortunately, there are ways to protect assemblies from accidental dings and scratches. A small investment in preventive detection can save assemblers thousands in repair bills. SECURITY CHECK paint markers are inspection markers which deliver a pasty paint : paint is applied on the assembly (bold – nut – washer). Once dried, the film becomes hard like stone. If loosening happens, the paint will break and a simple visual inspection will alert that the part has moved from its original position.

Nozzle

- Easy to use by screwing the nozzle on the head of the marker.
- Practical with its 3 levels, the nozzle can be easily cut to the desired length to meet the desired paint thickness.
- Thanks to its length (5cm), the marker's head is extended by 3 cms, offering easy access to hard-to-reach areas.
- The new tip comes with a built-in cap for a convenient and quick closure. An integrated retaining wire keeps the cap attached to the nozzle, so that it can't be lost and remains always at hands.

Cap

- Made from durable plastic, these heavy-duty caps are designed for quick and complete sealing to prevent premature drying.

Paint

- High visibility paint for a fast and easy visual check.
- Thick paint that, when applied to bolted connections hardens into a continuous 3D tamper-evident seal.
- Paint free of heavy metals for a safe use on metal and for the user.
- Exists in several colors.

Tube

- Soft and strong aluminum body specifically designed for optimal product use.
- Effective volume superior compared with other products in the market (50 ml paint) for a longer period of use and reduced work downtime.

3 Versions

- Security Check Original
- Security Check+ HIGH TEMPERATURE
- Security Check+ FAST DRY

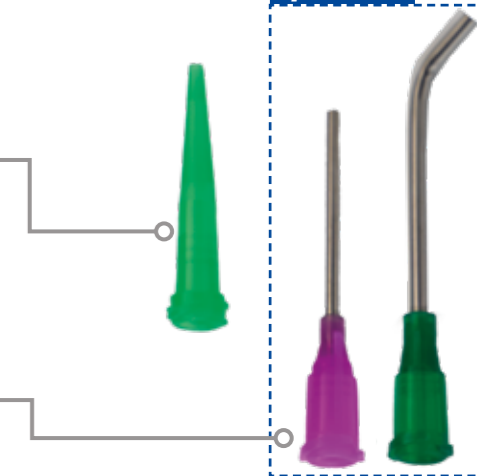


SECURITY CHECK PINPOINT

Dispensing tips

- This plastic tapered dispensing needle, 18 Gauge (0.035" ID), is designed for precise applications, ideal for Security Check Pinpoint paint. The tapered tip helps prevent blockages, ensuring smooth and consistent paint flow. The design is specifically crafted to increase fluid flow rates, making it an excellent choice for applications requiring precision and uninterrupted dispensing. With its 0.035" inside diameter, this needle provides optimal performance, offering a reliable solution for industrial, automotive, and lab-based uses.
- This 16 Gauge (1.65 mm) long straight metal dispensing needle features a stainless steel cannula with a double helix polypropylene hub. The burr-free cannula ensures unobstructed Security Check Pinpoint paint flow, providing smooth and consistent dispensing for a wide range of applications. With a length of 2.54 cm, this high-quality needle is designed for precision and reliability, making it an ideal choice for controlled performance in various industries.
- This 45° angled needle, 18 Gauge (1.245 mm), features a stainless steel cannula with a specific design for precise applications in hard-to-reach areas. With an outer diameter (OD) of 1.245 mm and an inner diameter (ID) of 0.84 mm, this needle ensures smooth and accurate Security Check Pinpoint paint flow, providing reliable dispensing of materials. Its length of 3.5 cm makes it suitable for situations that require a longer length for better access, while maintaining excellent performance. It is ideal for industrial, automotive, and laboratory applications where a 45° angle is necessary for easier handling.

Optional



Luer Lock adapter

- Precision and cleanliness of your paint applications. Universal compatibility: Designed to screw perfectly onto the Security Check Pinpoint bottle, ensuring a secure and airtight connection. The end equipped with a Luer Lock thread allows easy attachment of dispensing needles, guaranteeing precise and controlled paint application. It reduces the risk of leaks and ensures even distribution, even in demanding environments such as industrial assembly and electronic repair. Chemical resistant, it offers optimal durability.

Cap

- Made from durable plastic, this heavy-duty cap is designed for quick and complete sealing to prevent premature drying.

Paint

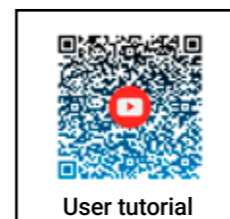
- 30 ml paint bottle for a dry to the touch in less than 2 minutes.
- The formula allows for a thick mark, creating a visible 3D effect.
- Once dry, it breaks under force, allowing for easy visual detection of loosening.
- Non-drip formula: The paint's viscosity has been specifically engineered to prevent dripping, ensuring clean and precise application on vertical surfaces and threaded assemblies.
- Xylene-free for a safe use on metal and for the user.
- Exists in several colors.



HOW TO USE ?

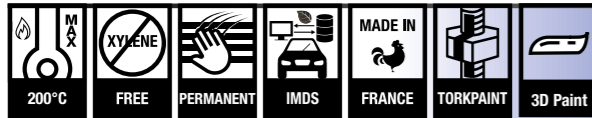


- Cut the nozzle tip to the desired level using a cutting tool
- Remove the cap from the tube
- Screw the nozzle onto the tube
- Apply gentle manual pressure on the tube to release the paint
- Do not bend or roll the tube so as not to puncture it
- Properly replace the cap after prolonged non-use



User tutorial

STANDARD USE



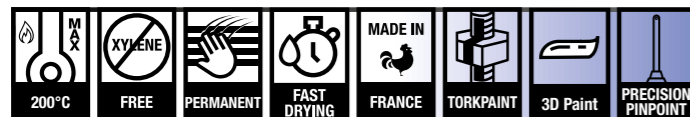
SECURITY CHECK ORIGINAL

TORQUE PAINT MARKER

SECURITY CHECK Original Paint Marker provides a convenient visual method for identification of vibratory loosening or tampering in nuts, bolts, fasteners, and assemblies. High visibility paint mark becomes a hard 3D film that breaks easily. Ideal for quality control and warranty work. Safe on most surfaces, adheres perfectly to metal. Safe for the user, doesn't contain Xylene.



PART NR. — BOX	MAX TEMP.	PART NR. — BOX	MAX TEMP.
96668	200°C	96674	200°C
96669	200°C	96675	175°C
96670	175°C	96677	175°C
96671	175°C	96678	175°C
96672	175°C	96679	175°C
96673	200°C	96680	175°C
		96681	175°C



SECURITY CHECK PINPOINT

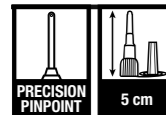


PRECISE FAST-DRYING PAINT MARKER FOR BOLTED ASSEMBLIES

This 30 ml paint bottle with Luer Lock applicator is ideal for controlled and precise applications. It includes a plastic Needle and a Luer Lock adapter for compatibility with other needles. The formula allows for a thick mark, creating a visible 3D effect. It dries to the touch in less than 2 minutes and is xylene-free. Once dry, it breaks under force, allowing for easy visual detection of loosening. Perfect for quality control, preventive maintenance, and industries such as railway, mechanical, aerospace, and electronics.



PART NR. — BOX	PART NR. — BOX
95408	95411
95409	95412
95410	



SECURITY CHECK DISPENSIVE TIPS



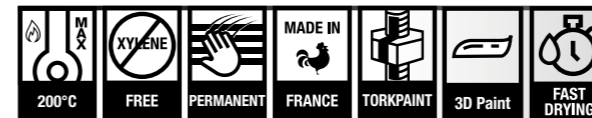
DISPENSING TIPS FOR CONTROLLED APPLICATIONS

Whether designed for the tube or the bottle format, each Security Check tip offers the same key benefits: precision, controlled paint flow, and access to hard-to-reach areas. While the tube uses a dedicated extension nozzle, the bottle is compatible with a range of four precision tips. All options are built for industrial use, ensuring consistent, clean, and reliable marking performance.



PART NR. — BOX	Description
95422	45° angled dispensing Needle 18 gauge, for PINPOINT Luer Lock adapter (length 3,5 cm)
95423	Plastic taper dispensing tip 18 gauge for PINPOINT Luer Lock adapter (length 2,54 cm)
95424	Regular straight dispensing needle, 16 gauge, for PINPOINT Luer Lock adapter (length 2,7 cm)
96676	Plastic tip for Security Check Paint Marker

SPECIFIC USE



SECURITY CHECK+ FAST DRY



EXTREMELY FAST DRYING TORQUE PAINT MARKER

SECURITY CHECK+ Fast Dry provides a convenient visual method for identification of vibratory loosening or tampering in nuts, bolts, fasteners, and assemblies. The fast drying, high visibility paint mark forms a hard 3D film that breaks easily. Ideal for quality control and warranty work. Safe on most surfaces, adheres perfectly to metal. Safe for the user, doesn't contain Xylene.



PART NR. — BOX	PART NR. — BOX
95210	95213
95211	95214
95212	95221



SECURITY CHECK+ HIGH TEMPERATURE

HIGH TEMPERATURE RESISTANCE TORQUE PAINT MARKER

SECURITY CHECK+ High Temperature provides a convenient visual method for identification of vibratory loosening or tampering in nuts, bolts, fasteners, and assemblies. High visibility paint mark becomes a hard 3D film that breaks easily. Mark at ambient temperature and the high-performance paint withstands temperatures up to 1000°C. Ideal for quality control and warranty work for brakes or any kind of heating assemblies parts inside engines. Safe on most surfaces, adheres perfectly to metal.



PART NR. — BOX	PART NR. — BOX
97516	
97517	



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.



UFI : P4PA-

SECURE

Torque Paint Marker.
Marqueur peinture pour
Schraubensicherungs



MARKAL
SECURITY CHECK
PAINT MARKER

ORIGINAL PINPOINT 30 ML

- FLAMMABLE
- TOXIC
- IRRITANT
- NOT FOR RECYCLING
- MADE IN FRANCE

MARKAL[®]

PRODUCT BROCHURE

SOLID PAINT MARKERS



DURABILITY OF PAINT

CONVENIENCE OF A CRAYON

PAINTSTIK[®]

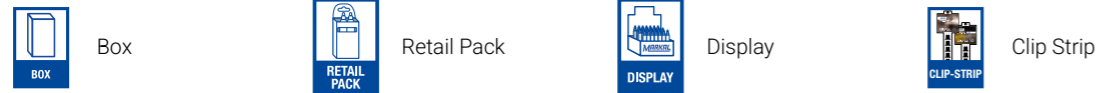
QUIK-STIK[®]

HEAT-STIK[®]

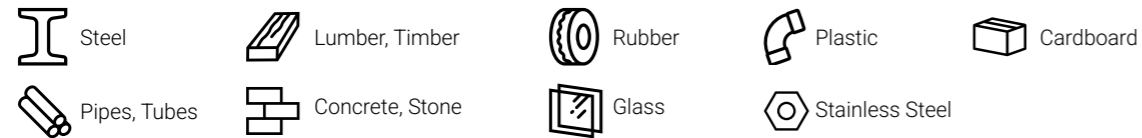


CAPTION

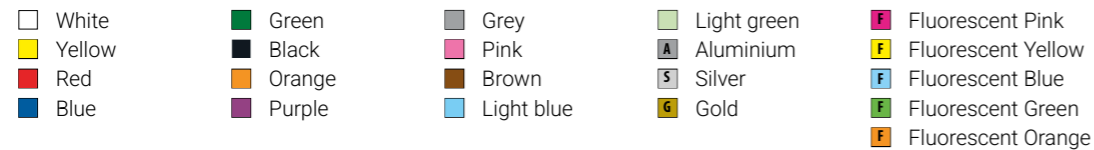
PACKAGING:



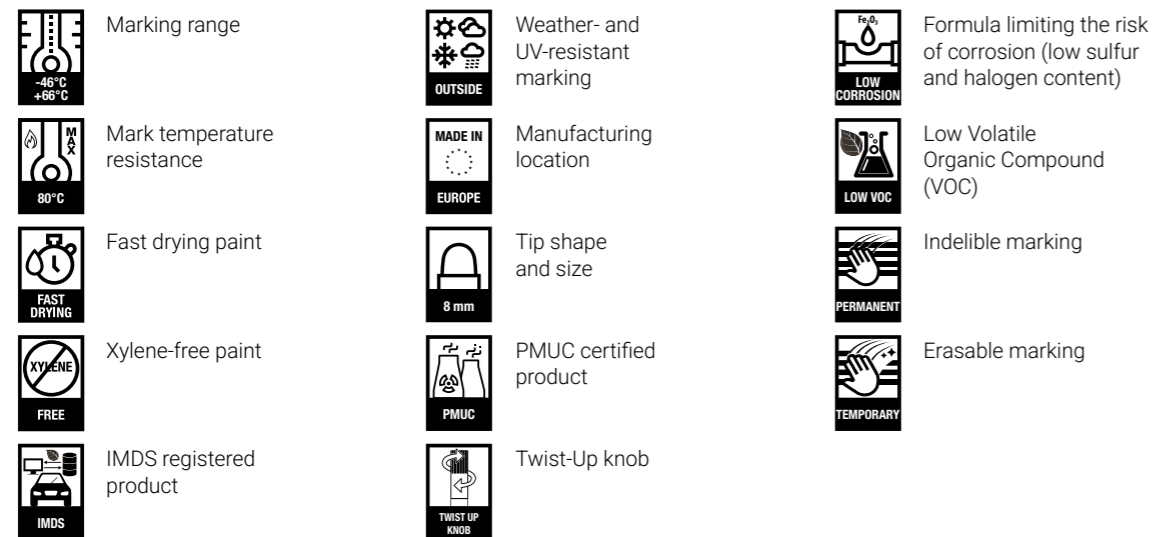
SURFACES :



COLORS :



PICTOGRAMS :



PAINTSTIK® & QUIKSTIK® SOLID PAINT MARKERS – COLD SURFACES

With the introduction of the original PAINTSTIK® Original B®, in 1934, Markal® changed the face of industrial marking by creating a product that combines the durability of paint with the convenience of a crayon. Since that time, we have continued to build on this innovation by engineering unique marking solutions, making our Paintstiks one of the most diverse and commonly used types of industrial marking tools available. These solid paint crayons can mark almost any surface and are ideal for metal fabrication, metal production, welding, construction, and many other industrial uses.

- 1 **Solid paint crayon**
 - Solid paint marker eliminates replacement tips, sharpening or priming, increasing productivity
- 2 **Multiple paint formulations**
 - Real paint for long-lasting, highly visible marks
 - Formulas guaranteeing optimal adhesion on multiple surfaces (wet, oily, high temperature, water erasable, low corrosion, rough...)
 - Xylene-free paints
- 3 **Recycled cardboard support**
 - Protects solid paint crayon for maximum use
 - Easy-to-hold
- 4 **Resistant plastic tube**
 - Avoids breakage
- 5 **Banner**
 - Indicates the product name and explicitly describes the marker use
 - Identifies the paint color
- 6 **Twist-up holder**
 - Allows easy removal or retraction of paint stick to keep hands, clothing and toolboxes clean
- 7 **Cap with clip**
 - Allows easy storage in the pocket and prevents the marker from rolling and falling off the work table or workbench
 - Airtight cap keeps the marker clean and fresh between use
 - Identifies the paint color



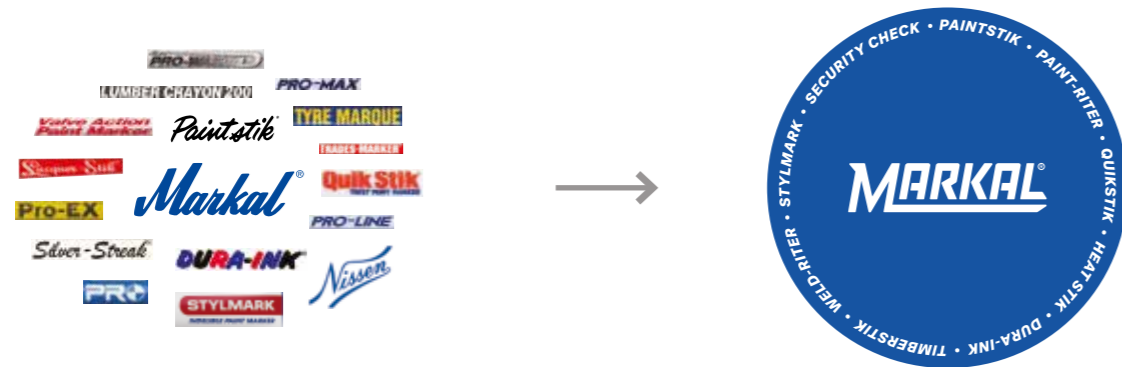
HEAT-STIK® SOLID PAINT MARKERS – HOT SURFACES

The tools required in a smelter or forge and casting foundries must be able to consistently perform and be able to withstand extreme temperatures, and industrial markers are no exception. Our hot surface line of solid paint markers will only begin producing marks when in the stated working temperature, and will provide long-lasting, highly-visible marks that will not run, char, flow, discolor, peel, or crack. With rated temperatures, from 49°C (120°F) to 1204°C (2200°F) these markers are ideal for use on coils, billets, bars, lingots, and plates.

- 1 **Hot Surface paint formula**
 - Only begin producing marks when in the stated working temperature
 - Long-lasting, highly-visible marks that will not run, char, flow, discolor, peel, or crack
 - Lasts longer



BRAND TRANSITION



WHAT IS CHANGING

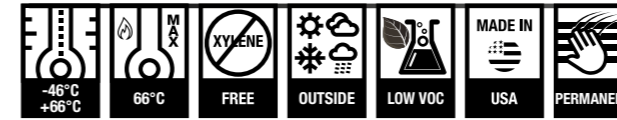
Changing:

- Logo
- Product Naming
- Packaging

NOT changing:

- Part Numbers
- Case Quantities
- Packaging Dimensions
- Product formulation

PAINTSTIK® – STANDARD USE



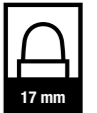
PAINTSTIK® ORIGINAL B®



MULTI-PURPOSE PERMANENT SOLID PAINT CRAYON

As Markal's most versatile and economic marker, the PAINTSTIK® Original B® solid paint marker combines the durability of paint in the convenience of a crayon. The real paint formula has superior marking performance on oily, icy, wet, dry or cold surfaces and is weather- and UV-resistant. This PAINTSTIK® works on rough, rusty, smooth, or dirty surfaces.

- Superior marking on rough, rusty, or dirty surfaces
- Weather- and UV-resistant for long-lasting marks
- Available in 3 different sizes : 9,5mm, 12,7mm, 17mm



PART NR. — BOX		PART NR. — RETAIL PACK		PART NR. — DISPLAY		
	<ul style="list-style-type: none"> 80220 80222 80226 80224 80230 80229 80232 82832 82835 82834 	<ul style="list-style-type: none"> 80221 80225 80223 80228 80227 80233 82831 82842 82836 		3 PACK 22253 : 3x 22254 : 1x + 1x + 1x 22255 : 1x + 1x + 1x 22256 : 1x + 1x + 1x		199012: 12x + 6x + 2x + 2x 22540: PAINTSTIK® Original B x72 : x36 (3 boxes) + x36 (3 boxes)



PART NR.	
	<ul style="list-style-type: none"> 80250 80251



PART NR.	
	<ul style="list-style-type: none"> 80420 80421



NEW NAMING SYSTEM



Old Names:

- B PAINTSTIK®
- B PAINTSTIK® 1/2 Hex
- B PAINTSTIK® 3/8
- BE PAINTSTIK®
- E PAINTSTIK®
- QUIK STIK®
- QUIK STIK® Mini
- HT®
- H®
- HT-34®
- HT-40®
- K®

New Names:

- Markal® PAINTSTIK® Original B®
- Markal® PAINTSTIK® Original B® Hex
- Markal® PAINTSTIK® Original B® Fine
- Markal® PAINTSTIK® Rough Surface
- Markal® PAINTSTIK® High Intensity
- Markal® QUIK STIK® All Purpose
- Markal® QUIK STIK® All Purpose Mini
- Markal® HEAT-STIK® 400°F - 1600°F (204°C-871°C) Fine
- Markal® HEAT-STIK® 225°F - 1100°F (107°C-593°C)
- Markal® HEAT-STIK® 400°F - 1800°F (204°C-982°C)
- Markal® HEAT-STIK® 350°F - 1700°F (177°C-927°C)
- Markal® HEAT-STIK® 1800°F - 2200°F

Old Names:

- B-L PAINTSTIK®
- BL- W PAINTSTIK®
- M PAINTSTIK®
- M-10 PAINTSTIK®
- N PAINTSTIK®
- Lacquer Stik
- P PAINTSTIK®
- WS 3/8
- Fast Dry
- Fast Dry Fine
- Solid Paint Marker Nissen by Markal
- Nissen Low Corrosion Solid Paint Marker

New Names:

- Markal® PAINTSTIK®+ Bleeds Thru Oil Based Paint
- Markal® PAINTSTIK®+ Bleeds Thru Water Based Paint
- Markal® PAINTSTIK®+ Heat Treat 1600F
- Markal® PAINTSTIK®+ Heat Treat 1800F
- Markal® PAINTSTIK®+ Non-Bleed Thru
- Markal® PAINTSTIK®+ Lacquer Fill-in
- Markal® PAINTSTIK®+ Galvanizer
- Markal® PAINTSTIK®+ Water Removable Fine
- Markal® PAINTSTIK®+ Fast Dry
- Markal® PAINTSTIK®+ Fast Dry Fine
- Markal® QUIK STIK®+ Oily Surface Mini
- Markal® QUIK STIK®+ Low Corrosion Mini





PAINTSTIK®+ – SPECIFIC USE



PAINTSTIK® ROUGH SURFACE

FOR MARKING VERY ROUGH SURFACES

Created for very rough surfaces such as forgings, castings, concrete and lumber, the PAINTSTIK® Rough Surface marks a wider line more clearly seen on cold, wet, dry or oily metal or wood surfaces.



PART NR.	
80620	80621
80623	



PAINTSTIK® HIGH INTENSITY

HIGH-INTENSITY COLOR MARKING

With greater color content, the PAINTSTIK® High Intensity creates high intensity marks, making this unique solid paint crayon ideal for dimly lit areas.



PART NR.	
88620	88621
88624	88625



PAINTSTIK®+ HEAT TREAT

SOLID PAINT CRAYON FOR ANNEALING AND HEAT-TREATING

Ideal for annealing and heat-treating operations, the PAINTSTIK®+ Heat Treat 1600°F and PAINTSTIK®+ Heat Treat 1800°F mark at room temperature and withstand temperatures up to 1800°F (982°C).

- Ideal for welds, ingots, castings, forgings, and other annealed parts
- Marks will withstand immediate quenching in water or oil
- Durable marks will not rub off, allowing for long-lasting identification



PART NR.	
81920	81921
81922	81923



PART NR.	
82020	



PAINTSTIK®+ LACQUER FILL-IN



SOLID PAINT CRAYON FOR FILLING-IN STAMPED OR ENGRAVED LINES

PAINTSTIK®+ Lacquer Fill-in is a specially formulated solid paint crayon designed to color-brighten stamped or engraved lines and lettering.

- Highlighter, fill-in paint provides bold, bright colors for even the smallest engravings
- Paint stays flexible, expands and contracts with the surface, for long-lasting color
- No mess or waste, eliminates dripping paint
- Meets U.S.A. federal specification TT-F-325a I and MIL-STD 171, Finish No. 30.1.1, Type I



PART NR.	
51120	51123
G 51131	





PAINTSTIK®+ GALVANIZER



MARKS ARE REMOVED IN THE GALVANIZING PROCESS

The PAINTSTIK®+ Galvanizer is designed for use in pickling baths or galvanizing operations. The marks completely remove and will not interfere with the zinc coating.

- Marks remove in pickling baths to allow excellent adhesion for zinc coating
- Superior marking on rough, rusty, oily, or smooth surfaces compared to liquid paint markers

PART NR. 83420



PAINTSTIK®+ WATER REMOVABLE FINE



WATER-SOLUBLE, REMOVABLE SOLID PAINT CRAYON

The smooth-writing PAINTSTIK®+ Water Removable Fine is a removable solid paint crayon. The fine line marks are easily wiped away with water and will not ghost on non-porous surfaces.

- Water soluble for easy removal before production or finishing
- Ideal for temporary marking on non-porous surfaces
- Smaller diameter for finer line marking

PART NR. 82420 82421 82422 82423



PAINTSTIK®+ ZEPHYR®



WEAR-RESISTANT, WATER-SOLUBLE SOLID PAINT CRAYON

Ideal for temporary marking of glass and other non-porous surfaces, PAINTSTIK®+ Zephyr® solid paint crayon is wear-resistant for durable marking and can be wiped off with water.

PART NR. 51321



PAINTSTIK®+ BLEEDS THRU OIL BASED PAINT and WATER BASED PAINT

BLEEDS THROUGH SOLVENT-/OIL- OR WATER-BASED PRIMERS OR PAINTED SURFACES

Designed to bleed through solvent-/oil- OR water based primers or painted surfaces, the PAINTSTIK®+ Bleeds Thru Oil Based Paint and the PAINTSTIK®+ Bleeds Thru Water Based Paint are ideal for structural steel parts or layout work where marks are required to show through a covering coat of paint or primer.

- Used for inspection, coding, layout or assembly operations
- Durable weather- and UV-resistant marks
- To prevent bleeding through the finished coat of paint, seal the marked areas with water-based epoxy paints



PART NR. 80725 80735



PAINTSTIK®+ NON-BLEED THRU



MARKS WILL NOT SHOW THROUGH TOP COAT OF PAINT OR PRIMER

This specialized PAINTSTIK®+ Non-Bleed Thru solid paint crayon formula leaves marks that will not show through the finishing coat of paint or top coat of primer, eliminating the cost and time of mark removal.

- Marks will not show through top coat of primer or finished layer of paint
- Ideal for ship building or other metal fabrication
- Solid paint formula designed for marking on wet, dry, oily, rusty, icy, smooth, or rough surfaces

PART NR. 82120



QUIK STIK® – STANDARD USE



QUIK STIK® ALL PURPOSE

FAST-DRYING SOLID PAINT IN TWIST-UP HOLDER

New Look-Same Formula, Improved Functionality. QUIK STIK® All Purpose is a smooth-marking solid paint crayon that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker.

- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- 20% more paint than other brands, more marks for the money
- Solid paint marker advances and retracts by turning twist-up knob



PART NR. — BOX		PART NR. — CARDED		PART NR. — READY-TO-SELL	
	61051		61067		22530 : x48 — x24 (2 boxes) + x24 (2 boxes)
	61049		61068		22531 : x48 — x12 (1 box) + x12 (1 box) + x12 (1 box) + x12 (1 box)
	61069		61063		22535 : x96 — x24 QS® All Purpose (2 boxes) + x36 QS®+ Oily Surface (3 boxes) + x36 QS®+ Oily All Purpose Mini (3 boxes)
	61071		61073		
	61044		61041		
	61042		61043		



part nr. 22531

QUIK STIK® ALL PURPOSE MINI

FAST-DRYING SOLID PAINT IN MINI TWIST-UP HOLDER

The QUIK STIK® All Purpose Mini is a compact solid paint marker in a convenient twist-up, plastic holder that is ideal for finer line marking on smooth or rough surfaces. This smaller version of the Markal® QUIK STIK® All Purpose stores easily in a pocket or tool belt and easily advances with the turn of a knob, allowing for full use of the marker.

The high-performance paint dries quickly to leave bold, permanent marks on most surfaces.

- Marks on virtually any surface; wet, smooth, rough, or hot
- Xylene and 2-Butoxyethanol free formula to reduce health risks
- Compact plastic holder with clip cap stores easily in pocket and keeps hands and clothing clean



PART NR. — BOX		PART NR. — CARDED		PART NR. — RETAIL PACK	
	61126		61186		22238 2x + 1x + 1x + 1x
	61128		61129		

PART NR. — DISPLAY	
	199003 12x + 12x + 10x + 10x

PART NR. — READY-TO-SELL	
	22534 : x96 — x36 (3 boxes) + x36 (3 boxes) + x12 (1 box) + x12 (1 box)
	22535 : x96 — x24 QUIK STIK® All Purpose (2 boxes) + x36 QUIK STIK®+ Oily Surface (3 boxes) + x36 QUIK STIK® All Purpose Mini (3 boxes)



part nr. 22238

part nr. 199003

part nr. 22534

QUIK STIK®+ – SPECIFIC USE



QUIK STIK®+ OILY SURFACE

FAST-DRYING SOLID PAINT IN TWIST-UP HOLDER FOR OILY AND WET SURFACES

QUIK STIK®+ Oily Surface solid paint markers are specially designed for challenging industrial environments where marking on oily and wet surfaces is needed. Additionally, they leave long lasting marks that dry quickly on dry surfaces.

- Industrial-grade paint formula for exceptional performance on oily and wet surfaces. Also writes on dry, smooth or rough surfaces
- Fast-drying, vibrant paint marks dry in 30 seconds to 1 minute on dry surfaces — does not smear when over stacking



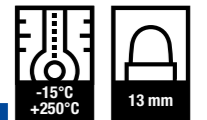
PART NR. — BOX		PART NR. — READY-TO-SELL	
	28880		22532 : x48 — x24 (2 boxes) + x24 (2 boxes)
	28882		22533 : x48 — x12 (1 box) + x12 (1 box) + x12 (1 box) + x12 (1 box)
			22535 : x96 — x24 QUIK STIK® All Purpose (2 boxes) + x36 QUIK STIK®+ Oily Surface (3 boxes) + x36 QUIK STIK® All Purpose Mini (3 boxes)



QUIK STIK®+ GLOW IN THE DARK

INNOVATIVE SOLID PAINT MARKER CREATES MARKS THAT GLOW IN THE DARK WHEN CHARGED WITH LIGHT FOR INCREASED VISIBILITY IN LOW LIGHTING CONDITIONS

QUIK STIK®+ Glow in the Dark is a premium solid paint marker designed for uses in industrial applications where visibility due to low light may be reduced. The innovative photoluminescent paint formula goes on white and glows in the dark when charged with light. Ideal for inspections in dim lighting, equipment maintenance, shipbuilding, automotive aftermarket, construction and more.



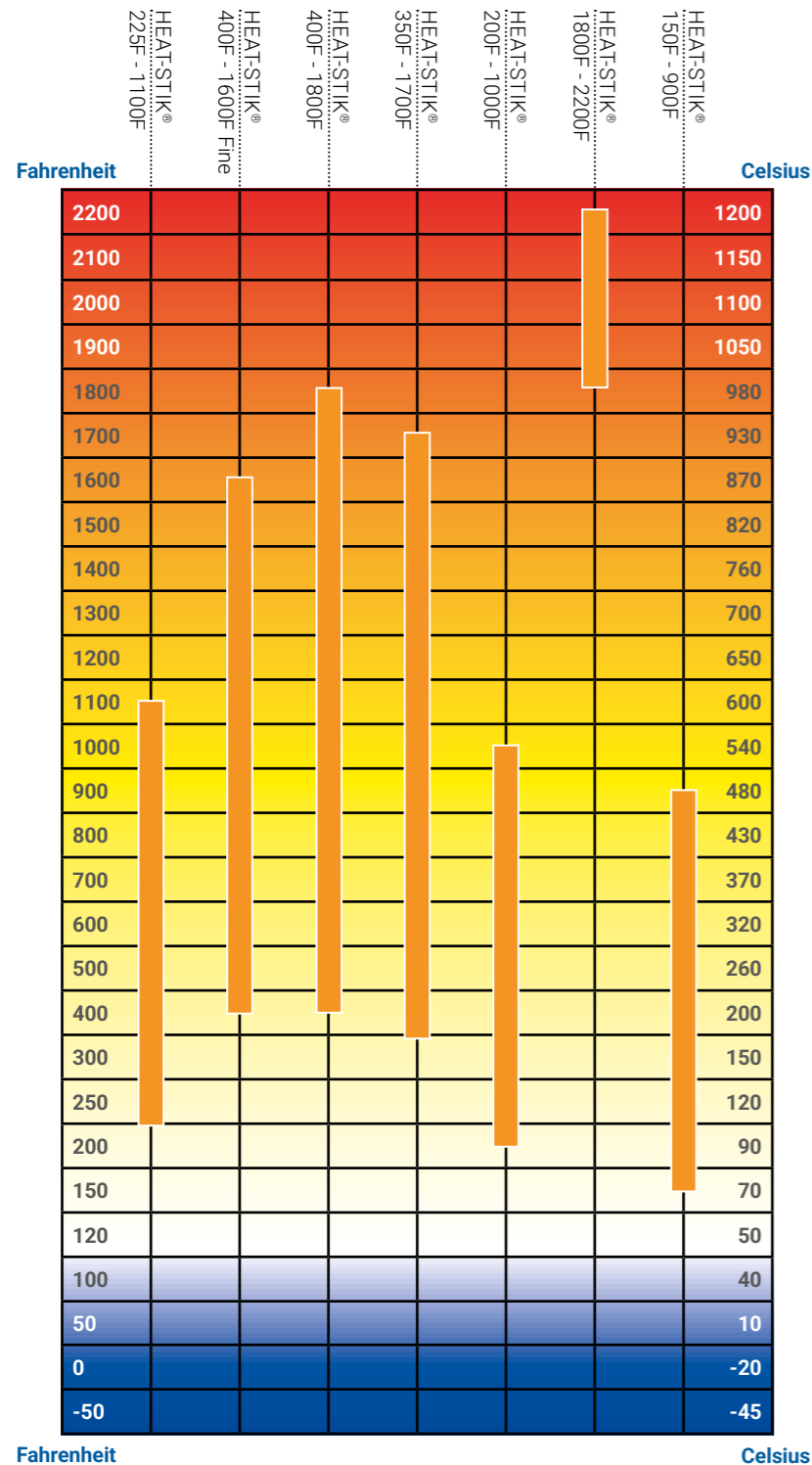
PART NR. — BOX	
	28850



SOLID PAINT MARKERS – FOR HOT SURFACES

MARKAL® – WORKS HERE

The tools required in a smelter or forge and casting foundries must be able to consistently perform and withstand extreme temperatures. Industrial markers are no exception. Our line of solid paint markers for hot surfaces begins to produce marks only when the surface reaches the stated working temperature. The paint marker then leaves smooth, highly visible marks that will not run, char, flow, discolor, peel or crack. With rated temperatures from 49°C to 1204°C, Markal® solid paint markers for hot surfaces are ideal for use on coils, billets, bars ingots and plates.



FEATURES & BENEFITS

- Hot surface marker writes on hot castings, forgings, coils, billets, plates, and other hot metal surfaces
- Fast-drying marks are permanent and will not run, char, flow, discolor, peel, or crack
- Forgings and parts can be immediately dipped into cold water baths without damaging the marks
- Real paint for long-lasting, highly-visible marks

INDUSTRY USES

- Forge and casting foundries
- Steel mills and warehouses
- Aluminum mills
- Smelting mills



HEAT-STIK® 66°C-482°C (150°F-900°F)

DUAL-PURPOSE MARKER FOR HOT OR COLD SURFACES : 66°C TO 482°C (150°F TO 900°F)

The HEAT-STIK® 66°C to 482°C solid paint marker is recommended where marking temperatures vary rapidly from 66°C to 482°C (150 - 900°F). This hot surface paint crayon is ideal for very rough surfaces such as open-hearth ingots, forging, hot slabs, and other metals.

- Dual-purpose paint crayon is ideal for use where temperatures vary rapidly from hot to cold
- Formulated for foundries and mills where extreme temperature change occurs
- Durable marks will not run, char, flow, discolor, peel or crack, but can be removed at higher temperatures

PART NR.



HEAT-STIK® 93°C-538°C (200°F-1000°F)



KING SIZE HOT SURFACE MARKER : 93°C TO 538°C (200°F TO 1000°F)

A permanent, hot surface marker, HEAT-STIK® 200 - 1000°F solid paint crayon marks on a variety of hot surfaces such as aluminum, steel, and hot rubber. The multi-purpose solid paint marker provides superior weather- and fade-resistance and features an extrawide design for highly visible marks.

PART NR.



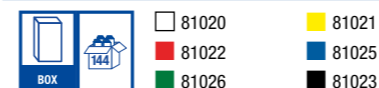
HEAT-STIK® 107°C-593°C (225°F-1100°F)

HOT SURFACE MARKER: 107°C TO 593°C (225°F TO 1100°F)

The industry original, Markal® HEAT-STIK® 107°C - 593°C (225°F - 1100°F) hot surface solid paint marker is a high temperature metal marker used in steel mills to mark on hot surfaces from 107°C to 593°C (225°F to 1100°F). Ideal for marking coils, billets, plates, castings and forgings, the long-lasting marks will not run, char, discolor, peel, or crack..

- Lasts longer, up to 3 times the writing life of hot chalk
- Forgings and parts can be immediately dipped into cold water baths without damaging the marks
- Can be removed in pickling baths

PART NR.





HEAT-STIK® 177°C-927°C (350°F-1700°F)



KING SIZE RED-HOT SURFACE MARKER : 177°C TO 927°C (350°F TO 1700°F)

HEAT-STIK® 177°C-827°C (350°F - 1700°F) hot surface solid paint crayons mark easily on red-hot surfaces from 177°C to 927°C (350°F to 1700°F). Used on hot coils, billets, slabs, lingots and bars, the extra-wide paint marker is easy to hold; even with gloves. Marks will not run, char, discolor, peel or crack.

- Extra-wide hot surface marker lasts longer than competitive hot chalk, for extended writing life
- Fast-drying marks are not damaged during handling or when immersed in cold water baths

PART NR.



HEAT-STIK® 204°C-871°C (400°F-1600°F) — STANDARD OR KING SIZE

RED-HOT SURFACE MARKER: 204°C TO 871°C (400°F TO 1600°F)

Designed for marking red-hot surfaces from 204°C to 871°C (400°F to 1600°F), the HEAT-STIK® 400-1600°F hot surface solid paint marker withstands the rigors of steel production. Available in 6 bold colors, the durable weather- and fade-resistant marks will not run, char, flow, discolor, peel or crack. Ideal for marking billets, coils, bars, forgings and plates.

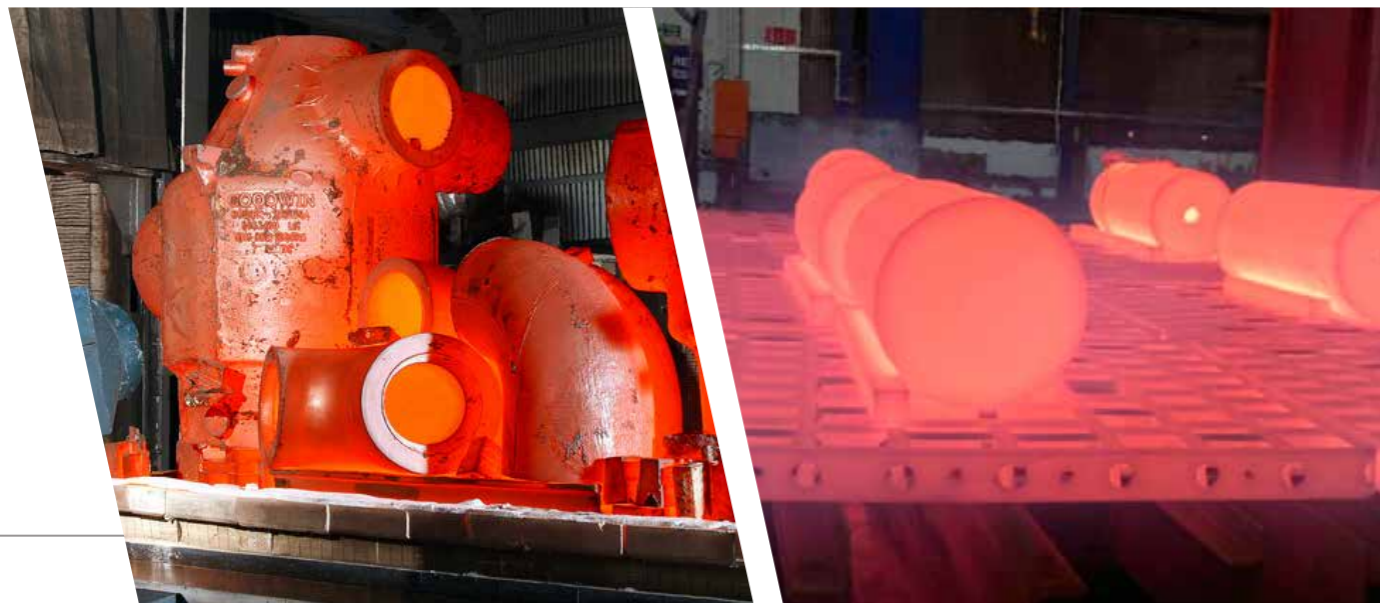
- Red-hot surface marking crayon writes on billets, coils, bars, slabs, lingots and other hot metal surfaces
- Lasts longer, up to 6 times the writing life of competitive hot chalk
- Available in two sizes: standard 3/8" (9.5mm) and king 3/4" (19mm)



PART NR. — STANDARD



PART NR. — KING SIZE



HEAT-STIK® 204°C-982°C (400°F-1800°F) — STANDARD OR KING SIZE

RED-HOT SURFACE MARKER : 204°C TO 982°C (400°F TO 1800°F)

HEAT-STIK® 204°C - 982°C (400°F - 1800°F) hot surface solid paint marker writes on red-hot steel surfaces from 204°C to 982°C (400°F to 1800°F) such as coils, billets, slabs, bars and lingots. Long-lasting, weather- and fade-resistant paint provides bright, identifiable white marks in steel production.

- Red-hot surface marker writes on billets, coils, bars, slabs, lingots and other hot metal surfaces
- Lasts longer than competitive hot chalk, for extended writing life
- Available in two sizes: standard 3/8" (9.5 mm) and king 3/4" (19mm)



PART NR. — STANDARD



PART NR. — KING SIZE



HEAT-STIK® 982°C-1204°C (1800°F - 2200°F)



WHITE-HOT SURFACE MARKER: 982°C TO 1204°C (1800°F TO 2200°F)

HEAT-STIK® 1800°F - 2200°F hot surface solid paint crayons are ideal for use when marking extremely hot steel. The marks will not burn off and remain readable and highly visible in all weather conditions.

- White-hot surface paint crayon writes on iron, steel castings, lingots, forgings, blooms, billets and high temperature metal alloys
- Extra-wide hot surface marker lasts longer than competitive hot chalk, for extended writing life
- Marks are readable even on white-hot steel for instant identification

PART NR.



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL[®]

PRODUCT BROCHURE

INK MARKER GUIDE



ROLL-RESISTANT

DURABLE AND LIGHTWEIGHT BARRELS

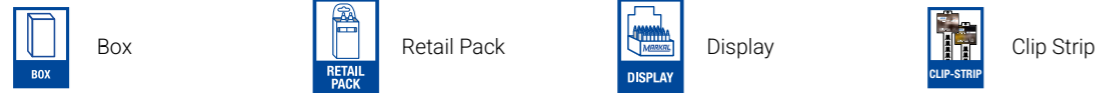
EXTRA-TOUGH TIPS

WEAR-RESISTANT INK FORMULA

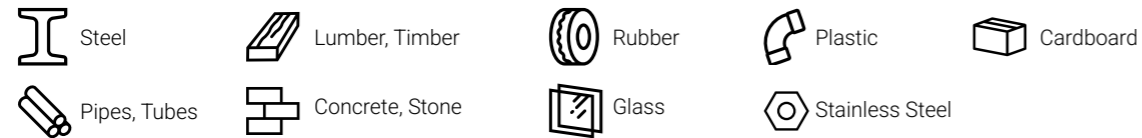


CAPTION

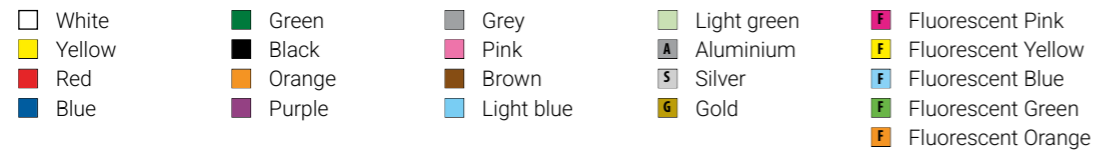
PACKAGING:



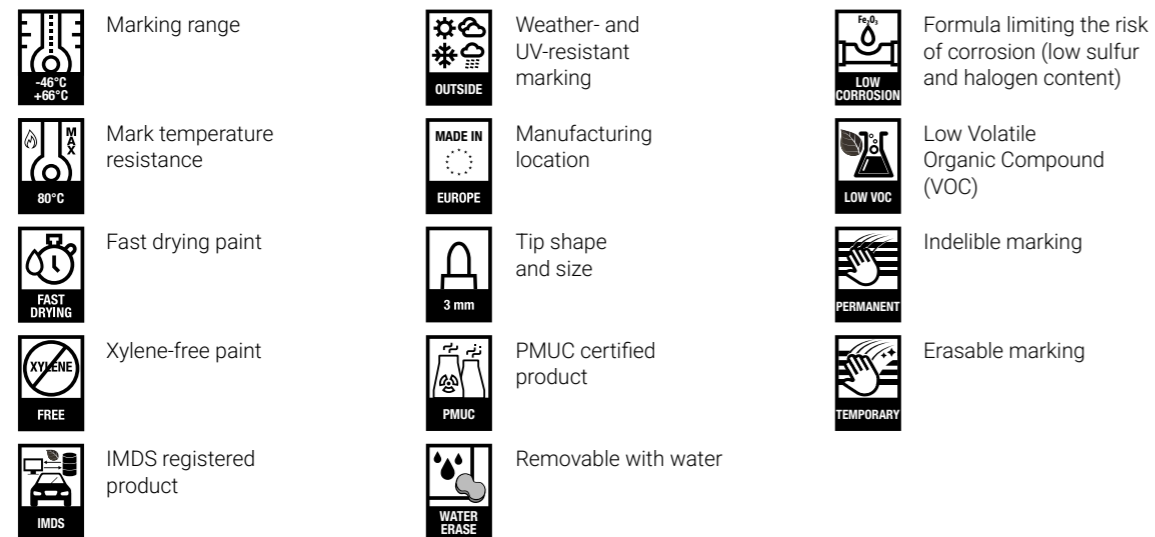
SURFACES :



COLORS :



PICTOGRAMS :



DURA-INK[®] INK MARKERS

Industry professionals require more out of their tools, which is why Markal[®] has been the trusted leader in industrial-grade marking solutions for over 87 years. Engineered to perform in the toughest industrial environments, our DURA-INK[®] family of permanent ink markers offers the best combination of performance, durability and value.

Roll-resistant caps

- Composed of sturdy plastic, these impact-resistant caps are designed to offer a quick and complete seal to prevent premature dry-out.
- The convenient clip caps help the markers to store easily in a pocket or tool belt, and resist rolling off of a table or workbench.

Surfaces :

All of our Ink Markers are suitable for the following surfaces :



Durable, lightweight barrels

Lightweight enough to reduce hand fatigue, but large enough to be used comfortably even with work gloves, these break-resistant barrels will hold up under tough working environments and help to extend the life of the marker.

Extra-tough tips

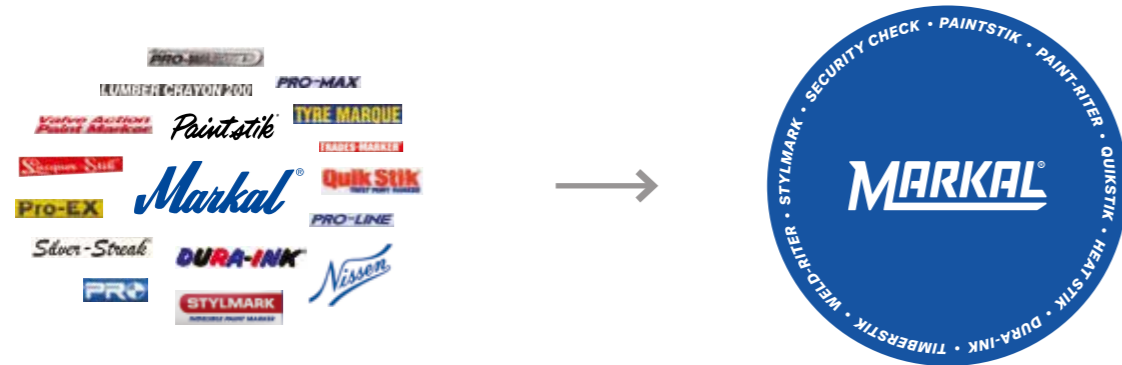
Whether marking on cardboard or steel, the extra-tough tips resist spreading or mushrooming, ensuring long life and accurate marking performance.

Wear-resistant ink formula

Formulated to dry quickly and leave bold, highly-visible marks, the wear-resistant ink is safe for use on almost any surface and is wear- and water-resistant.



BRAND TRANSITION



WHAT IS CHANGING

Changing:

- Logo
- Product Naming
- Packaging

NOT changing:

- Part Numbers
- Case Quantities
- Packaging Dimensions
- Product formulation

NEW NAMING SYSTEM

MARKAL + **SUB - BRAND** + **CRITICALACTION**

Old Names:

- DURA-INK® 5
- DURA-INK® 15
- DURA-INK® 20
- DURA-INK® 25
- DURA-INK® 55
- DURA-INK® 60
- DURA-INK® 80
- DURA-INK® 200

New Names:

- **Markal® DURA-INK® Needle Nose**
- **Markal® DURA-INK® Fine**
- **Markal® DURA-INK® Retractable**
- **Markal® DURA-INK® Metal Barrel Chisel**
- **Markal® DURA-INK® Chisel**
- **Markal® DURA-INK® Bullet**
- **Markal® DURA-INK® Controlled Flow**
- **Markal® DURA-INK® Jumbo Chisel**

Old Names:

- DURA-INK® Washaway

New Names:

- **Markal® DURA-INK®+ Water Removable**



SERIE STANDARD



DURA-INK® NEEDLE NOSE 5



PERMANENT INK MARKER WITH EXTENDED MICRO TIP

The DURA-INK® Needle Nose 5 is a permanent ink marker that uses an extended micro tip for precision marking needs and is ideal to use through drill holes, mounting brackets, or in any hard to reach areas.



PART NR. — BOX	PART NR. — RETAIL PACK	PART NR. — DISPLAY
<ul style="list-style-type: none"> 96522 96519 96520 	<ul style="list-style-type: none"> 22241 : 4x 22242 : 2x + 1x + 1x 	<ul style="list-style-type: none"> 199010: 24x + 12x + 8x



DURA-INK® DUAL TIP



DUAL-SIDED INDUSTRIAL INK MARKER THAT PROVIDES THE CONVENIENCE AND VALUE OF TWO MARKERS IN ONE.

Experience the versatility of DURA-INK® Dual Tip permanent ink markers and conveniently create both fine and micro-sized marks with one marker instead of two. Versatile, two tip design can tackle jobs both big and small, and the industrial-strength ink writes on most any surface - allowing for faster, more efficient marking in a variety of applications.



PART NR. — BOX	PART NR. — RETAIL PACK	PART NR. — DISPLAY
<ul style="list-style-type: none"> 96282 96283 	<ul style="list-style-type: none"> 22270 : 4x 22271 : 3x + 1x 	<ul style="list-style-type: none"> 199016: 33x + 11x



DURA-INK® DUAL COLOR



DUAL COLOR MARKER THAT CONVENIENTLY MARKS TWO COLORS WITH ONE TOOL

Increase your productivity with the innovative DURA-INK® Dual Color permanent ink marker. Conveniently switch between different color inks for the perfect mark in your application. Easily mark on bright or dark metals with industrial-strength ink that is formulated to dry almost instantly and resists smearing or fading. The combination of multiple colors in one marker makes this the perfect tool for quality control, parts inspection, shipping and receiving, and more.



PART NR. — BOX
<ul style="list-style-type: none"> 96330

DURA-INK® NEEDLE NOSE & DUAL TIP — READY-TO-SELL

Our new Ready-to-sell Retail displays are a ready-to-sell merchandising option that arrive in your retail setting without the need for unpacking or special set-up.

PART NR. — READY-TO-SELL		
 <p>22523: DURA-INK® Needle Nose 5 x96 : ■x48 (4 boxes) + ■x24 (2 boxes) + ■x24 (2 boxes)</p>	<p>22524: DURA-INK® Dual Tip x144 : ■x96 (8 boxes) + ■x48 (4 boxes)</p>	<p>22525: DURA-INK® Product mix : x144 - Dual-Tip : ■x48 (4 boxes) + ■x24 (2 boxes) - Needle Nose 5 : ■x48 (4 boxes) + ■x24 (2 boxes)</p>









DURA-INK® FINE 15



PERMANENT INK MARKER WITH FINE BULLET TIP

Ideal for layout work and parts identification, the DURA-INK® Fine 15 permanent ink marker has a fine bullet tip for precise marking. The wear-resistant, fast-drying ink and durable tip and barrel makes this marker ideal for industrial environments.

PART NR. — BOX		PART NR. — RETAIL PACK		PART NR. — DISPLAY	
 <p>■ 96022 ■ 96023 ■ 96025 ■ 96026 ■ 96027</p>	 <p>5 PACK 22239 5x■ 22240 1x■ + 1x■ 1x■ + 1x■ 1x■</p>	 <p>199006 20x■ + 8x■ 8x■ + 4x■ 4x■</p>			
 <p>3 PACK 22369 3x■ 22370 2x■ + 1x■</p>					







DURA-INK® RETRACTABLE 20



RETRACTABLE PERMANENT INK MARKER WITH FINE BULLET TIP

The DURA-INK® Retractable 20 permanent ink marker uses a one-handed, push-button for easy opening and closing. The convenient capless feature makes it ideal for use in tight work spaces and eliminates mess or lost caps.

PART NR. — BOX		PART NR. — RETAIL PACK		PART NR. — DISPLAY	
 <p>■ 96575 ■ 96576</p>	 <p>22251 3x■ 22252 2x■ + 1x■</p>	 <p>199007 20x■ + 12x■</p>			




DURA-INK® METAL BARREL CHISEL 25



METAL BARREL, PERMANENT INK MARKER WITH MEDIUM CHISEL TIP

The DURA-INK® Metal Barrel Chisel 25 permanent ink marker's large, chisel tip offers the flexibility of producing fine or broad marks on almost any surface. With an extra-large ink supply and metal barrel, this marker offers longer marking life and durability.

PART NR. — BOX		PART NR. — RETAIL PACK	
 <p>■ 96222 ■ 96223</p>	 <p>22258 2x■ 22259 1x■ + 1x■</p>		








DURA-INK® CHISEL 55



PERMANENT INK MARKER WITH MEDIUM CHISEL TIP

For flexible, finer line marking, the DURA-INK® Chisel 55 features a medium chisel tip to produce both fine and broad permanent marks. This economical, durable plastic barrel withstands tough industrial uses and is the alternative to high-cost metal barrels.

PART NR. — BOX		PART NR. — RETAIL PACK		PART NR. — DISPLAY	
 <p>■ 96528 ■ 96529 ■ 96530 ■ 96531</p>	 <p>22243 2x■ 22244 1x■ + 1x■ 22245 1x■ + 1x■ 22246 1x■ + 1x■</p>	 <p>199008 10x■ + 5x■ + 5x■ + 5x■</p>			





DURA-INK® BULLET TIP 60



PERMANENT INK MARKER WITH MEDIUM BULLET TIP

The DURA-INK® Bullet Tip 60 is a permanent ink marker with a durable, medium bullet tip to provide bold, clean marks. Ideal for industrial use, the ergonomic plastic barrel is easy to use even with work gloves.

PART NR. — BOX		PART NR. — RETAIL PACK		PART NR. — DISPLAY	
	96535		22247		199009
	96537		22248		
			22249		
			22250		



DURA-INK® CONTROLLED FLOW 80



VALVE-ACTUATED PERMANENT INK MARKER WITH TAPERED BULLET TIP

The DURA-INK® Controlled Flow 80 is a permanent ink marker which uses a valve-actuated tip to provide on-demand ink for smooth, continuous use. The durable metal barrel reduces breakage and holds a large ink supply for increased marking mileage.

PART NR. — BOX	
	96923



DURA-INK® JUMBO CHISEL 200



PERMANENT INK MARKER WITH BROAD CHISEL TIP

Ideal for equipment identification and signs, tDURA-INK® Jumbo Chisel 200 uses an over-sized tip to create large, highly-visible marks. The extra-large industrial barrel contains more ink for longer marking life.

PART NR. — BOX	
	96916
	96915
	96917
	96914



DURA-INK® DRY ERASE



DRY-ERASE INK MARKER FOR TEMPORARY MARKING

The DURA-INK® Dry Erase marker makes temporary marks that are quickly and easily removed from most non-porous surfaces without ghosting or leaving a residue.

PART NR. — BOX	
	96570
	96572
	96571
	96573



DURA-INK® FAMILY — READY-TO-SELL

Our new Ready-to-sell Retail displays are a ready-to-sell merchandising option that arrive in your retail setting without the need for unpacking or special set-up.

PART NR. — READY-TO-SELL		
	22512: DURA-INK® Fine 15 x144 : ■x72 (6 boxes) + ■x36 (3 boxes) + ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box)	22513: DURA-INK® Retractable 20 x72 : ■x48 (4 boxes) + ■x24 (2 boxes)
	22515: DURA-INK® Chisel 55 x48 : ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box)	22514: DURA-INK® Metal Barrel Chisel 25 x48 : ■x36 (3 boxes) + ■x12 (1 box)
	22516: DURA-INK® Bullet Tip 60 X48 : ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box)	22517: DURA-INK® Product Mix x84 : - ■x36 DURA-INK® Fine 15 (3 boxes) - ■x24 DURA-INK® Retractable 20 (2 boxes) - ■x12 DURA-INK® Bullet Tip 60 (1 box) - ■x12 DURA-INK® Jumbo Chisel 200 (1 box)



22518: DURA-INK® Product Mix x96 - ■x48 DURA-INK® Fine 15 (4 boxes) - ■x24 DURA-INK® Retractable 20 (2 boxes) - ■x12 DURA-INK® Bullet Tip 60 (1 box) - ■x12 DURA-INK® Chisel 55 (1 box)

PLUS SERIES



**DURA-INK®+
AEROSPACE**

AEROSPACE PRE-CERTIFIED PERMANENT INK MARKER

The DURA-INK®+ Aerospace is a pre-certified ink marker that meets strict aerospace specifications. An element analysis report is published for each batch to guarantee they meet **GE D50TF8 and Rolls-Royce EMS 56752 specifications.**



PART NR. — BOX



96924



**DURA-INK®+
WATER REMOVABLE**

WASH REMOVABLE INK MARKER FOR TEMPORARY MARKING

The DURA-INK®+ Water removable is a temporary ink marker which quickly and completely washes off non-porous surfaces with water without leaving a residue or ghosting on the surface.



PART NR. — BOX



96301 96302
96303



**DURA-INK®+
EASY OFF DETERGENT**

DETERGENT REMOVABLE WRITING ON BARE, UNTREATED, UNPAINTED, NON-POROUS METAL SURFACES

DURA-INK®+ Easy Off Detergent marker is the perfect industrial-grade removable ink marker for temporary writing on bare, untreated, unpainted, non-porous metal surfaces with ink that can be later removed and leaves no ghosting. Water resistant formula removes with a mild detergent of pH 11 or higher.



PART NR. — BOX



96320 96325
96321 96326
96322 96323



**DURA-INK®+
EASY OFF WATER**

WATER REMOVABLE WRITING ON BARE, UNTREATED, UNPAINTED, NON-POROUS METAL SURFACES

DURA-INK®+ Easy Off Water marker is the perfect industrial-grade removable ink marker for temporary writing on bare, untreated, unpainted, non-porous metal surfaces with ink that can be later removed and leaves no ghosting. Easily removed with water only.



PART NR. — BOX



96310 96315
96311 96316
96312 96313



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL[®]

Tempil[®]

PRODUCT BROCHURE

WELDING MARKERS AND TEMPERATURE INDICATORS



LONG-LASTING

VISIBLE

FAST

ACCURATE

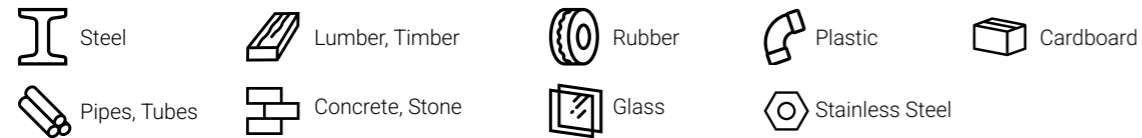


CAPTION

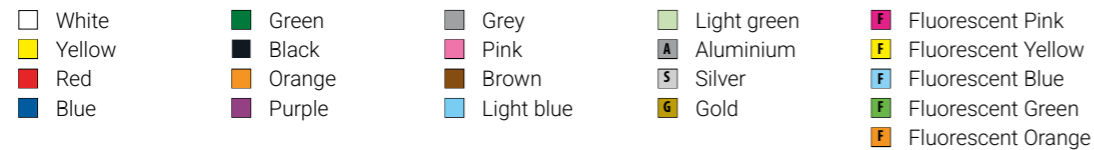
PACKAGING:



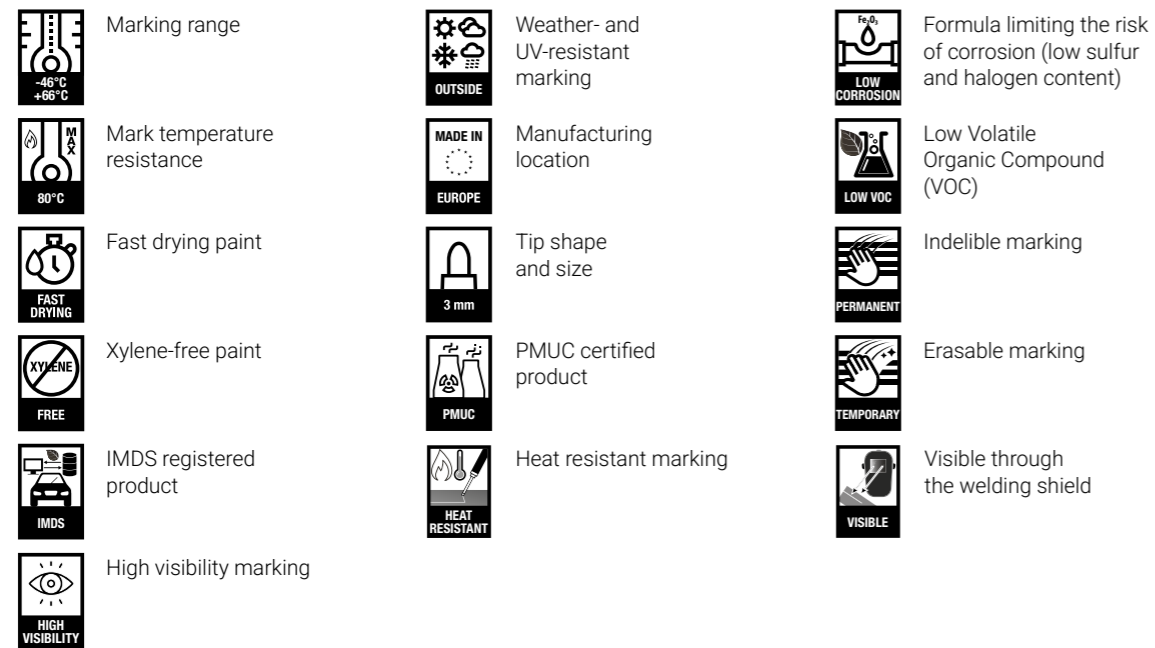
SURFACES :



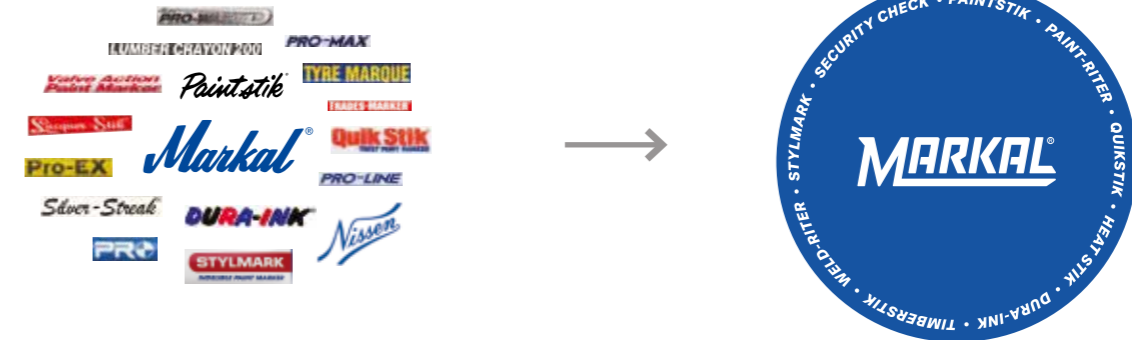
COLORS :



PICTOGRAMS :



BRAND TRANSITION



WHAT IS CHANGING

Changing:

- Logo
- Product Naming
- Packaging

NOT changing:

- Part Numbers
- Case Quantities
- Packaging Dimensions
- Product formulation

NEW NAMING SYSTEM

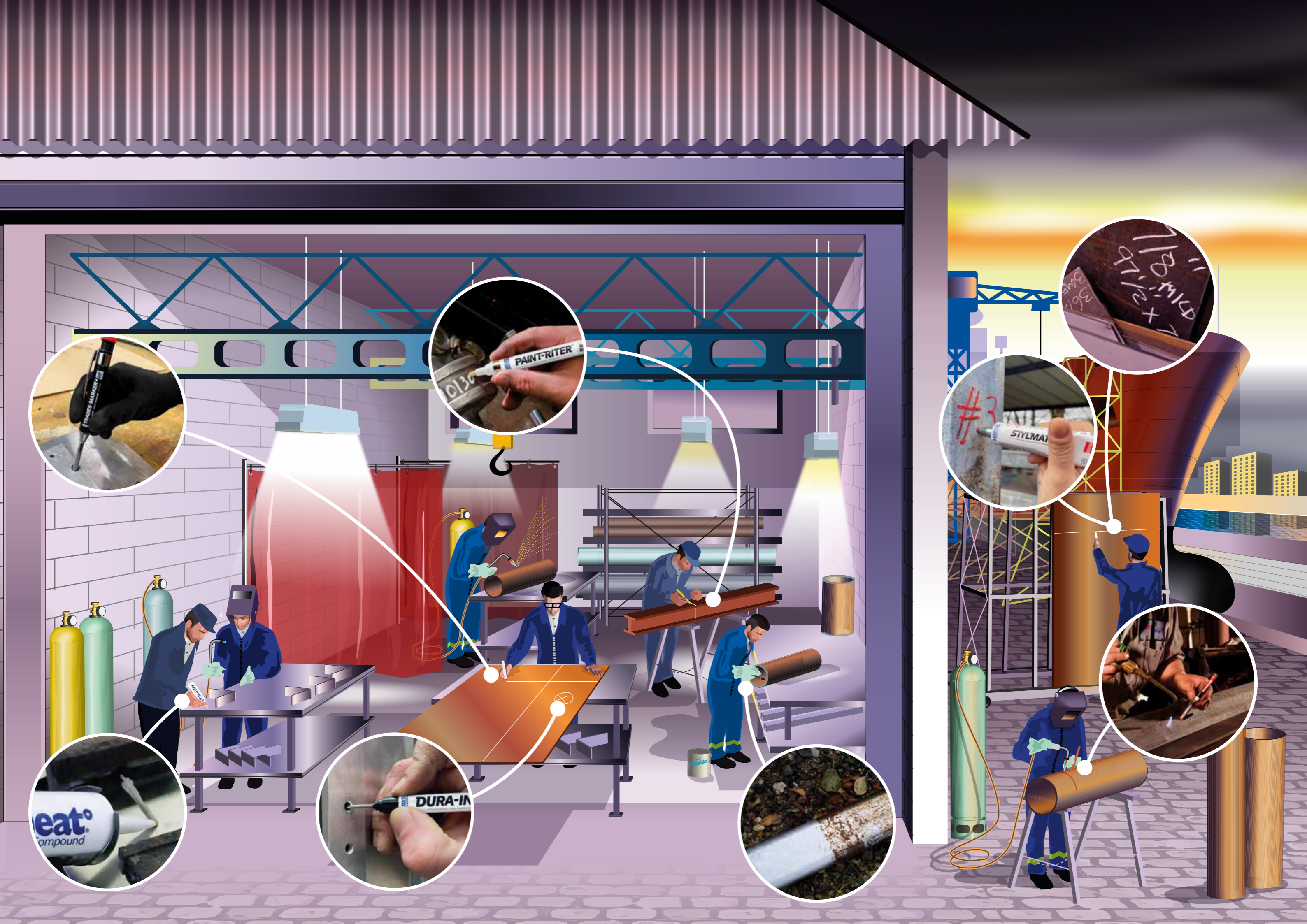


Old Names:

- Silver-Streak® and Red-Riter® Welders Pencils
- Silver-Streak® Round
- Soapstone
- FM.400

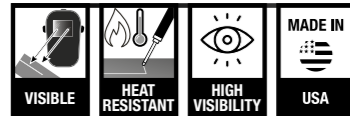
New Names:

- **Markal® WELD-RITER®** Welding Pencils (Silver-Streak® or Red-Riter®)
- **Markal® WELD-RITER®** Welding Marker (Silver-Streak®)
- **Markal® WELD-RITER®** Soapstone
- **Markal® WELD-RITER®** FM.400



WELD-RITER® WELDING MARKERS

The first step to creating a durable, long-lasting weld is using the best tools available to meet the level of precision required during the process. Markal® offers the best in economical and specialized welding markers to produce longer-lasting and more visible marks guaranteed to not contaminate or cause inclusions, pitting, or porosity in the weld. The temporary range of welding markers includes Welders Pencils, soapstone, and other high-visibility layout markers.

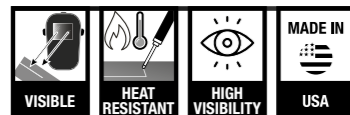


MARKAL® WELD-RITER® WELDING PENCILS — SILVER-STREAK® OR RED-RITER®

WELDERS PENCILS FOR METAL LAYOUT AND FABRICATION

Markal® WELD-RITER® Silver-Streak® and Red-Riter® Welding Pencils make torch-resistant marks that will not burn or rub off like soapstone. Ideal for fine line marking during metal layout and fabrication, these highly visible marks illuminate when cutting or welding.

PART NR. — BOX		PART NR. — RETAIL PACK	
	96101 Silver-Streak®		22220 3x Silver-Streak®
	96100 Red-Riter®		22219 2x Silver-Streak® + 1x Red-Riter®
PART NR. — READY-TO-SELL			
	22592 Welders Pencils Mix x288 (12 boxes Silver-Streak® + 12 boxes Red-Riter®)	22593 Welders Pencils Silver-Streak® x288 (24 boxes)	22594 WELD-RITER® Mix x168 (12 blisters crayons 96006 + 12 blisters refills 96007 + 72 Welders Pencils SILVER-STREAK® (6 boxes) + 72 Welders Pencils RED-RITER® (6 boxes))



MARKAL® WELD-RITER® WELDING MARKER — SILVER-STREAK®

FOR WELDING, METAL LAYOUT AND FABRICATION

Markal® WELD-RITER® Silver-Streak® Welding Markers pencils are ideal when highly-visible, torch-resistant marks are required during metal layout and fabrication work. The unique reflective lead is more visible through a welder's filter plate and will not rub, burn or blow off like soapstone. Marks on all metal surfaces including oily or wet.

PART NR. — BOX		PART NR. — RETAIL PACK	
	96006 1 Silver-Streak® Round holder (incl. 1 Silver-Streak® refill)		22221 1 Silver-Streak® Round holder + 2 packs of 6 refills Silver-Streak®
	96007 1 pack of 6 Silver-Streak® refills		22222 2 packs of 6 refills Silver-Streak®
PART NR. — READY-TO-SELL			
	22590 Silver-Streak® Round Mix x36 (18 blisters crayons 96006 + 18 blisters refills 96007)	22591 Silver-Streak® Round Refills x36 (36 blisters refills 96007)	22594 WELD-RITER® Mix x168 (12 blisters crayons 96006 + 12 blisters refills 96007 + 72 Welders Pencils SILVER-STREAK® (6 boxes) + 72 Welders Pencils RED-RITER® (6 boxes))



Part nr. 22594



MARKAL® WELD-RITER® SOAPSTONE

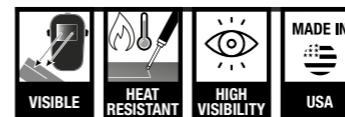
TEMPORARY MARKERS FOR WELDING AND METAL FABRICATION

Markal® WELD-RITER® Soapstone is the all-natural economical, versatile solution for temporary marking during welding operations. Marks are easily removed and will not contaminate welds.

PART NR. — SOAPSTONE		PART NR. — HOLDER		PART NR. — FM.400	
	80129 Flat (127 x 13 x 5mm)		80140 Holder for the flat soapstone		44030100 FM.400 soapstone (100 x 10 x 10mm)
	80130 Round (127 x Ø 6mm)		80141 Holder for the round soapstone		



TRADES-MARKER® + DRY DEEP HOLE MARKER



TRADES-MARKER® + DRY — SILVER-STREAK® OR RED-RITER® REFILLS

WELDING REFILLS FOR TRADES-MARKER+ DRY

Markal® Silver-Streak® and Red-Riter® welding refills for Trades-Marker® Dry make torch-resistant marks that will not burn or rub off like soapstone. Ideal for fine line marking during metal layout and fabrication, these highly visible marks illuminate when cutting or welding.

- Fine tip extends to 45mm, ideal for hard-to-reach places (allows for deep markings, in fixation holes)
- Cap, body and clip in metal to ensure durability and strength for professional use
- Automatic lead ejection: a single press on the button pushes the lead out by 2mm
- Practical as it is always at hand, the sharpener is incorporated into the push button, allowing for extremely precise markings
- Sturdy clip for hooking onto shirts or pants.



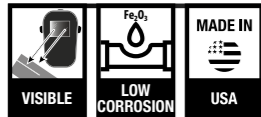
PART NR. — BOX		PART NR. — REFILLS IN BULK	
	96260 1 Trades-Marker+ Dry (including 1 graphite refill)		96267 1 pack of 6 refills Silver-Streak®
			96268 1 pack of 6 refills Red-Riter®
PART NR. — RETAIL PACK			
	96281 1 Trades-Marker+ Dry (including 1 graphite refill) + 1 pack of 6 refills Silver-Streak®		96269 20 x 96260 + 10 x (1 pack of 6 refills Silver-Streak®) + 10 x (1 pack of 6 refills Red-Riter®)
	22227 1 pack of 6 refills Silver-Streak®		96280 20 x 96260 + 3 x (1 pack of 6 graphite refills) + 3 x (1 pack of 6 mix refills) + 2 x (1 pack of 6 red refills) + 2 x (1 pack of 6 yellow refills) + 5 x (1 pack of 6 refills Silver-Streak®) + 5 x (1 pack of 6 refills Red-Riter®)
	22228 1 pack of 6 refills Red-Riter®		



MARKAL® TEMPERATURE INDICATORS

FAST ACCURATE RESULTS

For the best in weld integrity, heating base materials to highly specific temperatures is required and our line of THERMOMELT® temperature indicators offers the best combination of speed, ease of use, and accuracy. The simple-to-use stick melts quickly when applied to a surface at the stated temperature on the package to guarantee fast and accurate results every time without calibration.



THERMOMELT® HEAT-STIK®



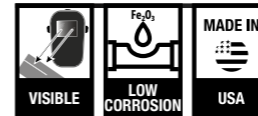
ACCURATE SURFACE TEMPERATURE INDICATING STICK

THERMOMELT® HEAT-STIK® markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 28 Fahrenheit or Celsius temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field. Please note that the color of the Thermomelts are not a part of their function, since the temperature signal consists of melting. Indicator color is subject to change without notice.

- When the stick melts, the precise temperature is reached
- Long-lasting stick is 33% bigger than competition
- Accurate to within +/- 1% of Fahrenheit and +/- 3% Celsius rated temperatures; no need for sensor calibration
- Ideal for: pre-heating, post-weld heat treating, interpass temperature monitoring, stress-relieving and annealing
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling
- For low corrosion (low chlorides/halogens) applications, see THERMOMELT® - Low Corrosion Temperatures
- Meets welding codes: AWS D1.1, ANSI/ASME Code B32.1 & B31.3, ASME Code Sec. I, III, and VII, NIST Traceable

PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT	PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT
86400	38 °C	100 °F	86516	200 °C	-
86402	50 °C	-	86733*	204 °C	400 °F
86436*	52 °C	125 °F	86751*	218 °C	425 °F
86463*	66 °C	150 °F	86769*	232 °C	450 °F
86481*	79 °C	175 °F	86787*	246 °C	475 °F
86517*	93 °C	200 °F	86563	250 °C	-
86401	100 °C	-	86805*	260 °C	500 °F
86526	101 °C	213 °F	86823*	288 °C	550 °F
86544*	107 °C	225 °F	86841	316 °C	600 °F
86562*	121 °C	250 °F	86859*	343 °C	650 °F
86589*	135 °C	275 °F	86868	371 °C	700 °F
86625*	149 °C	300 °F	86734	400 °C	-
84664	150 °C	-			
86661*	163 °C	325 °F			
86697*	177 °C	350 °F			
86715*	191 °C	375 °F			

* Indicates that this marker color is low in chlorides, halogens, and sulfurs for low corrosion marking requirements.



CERTIFIED THERMOMELT® HEAT-STIK®



ACCURATE SURFACE TEMPERATURE INDICATING STICK

Pre-certified to meet nuclear and military low-corrosion specifications for stainless-steel fabrication and other super alloys, the Markal® Certified THERMOMELT® HEAT-STIK® is a quick method to accurately measure metal surface temperatures and equipment. The 20 available temperatures are lot traceable for jobsite documentation. Please note that the color of the Thermomelts are not a part of their function, since the temperature signal consists of melting. Indicator color is subject to change without notice.

- Certified to meet the following U.S.A. and international specifications:
 - EDF PMUC
 - MIL-STD-2041D
 - U.S. DOE RDT F-7-3T (expired)
 - U.S. Navy C3070
- Engineered to meet:
 - 200 ppm total halogens
 - 250 ppm each low melting point metals
 - 300 ppm total low melting point metals
 - 200 ppm sulfur
- Individual lot analysis and certification available at www.markal.com/certified for quick, accurate reference
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling

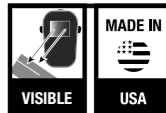
BOX	PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT	PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT
	89100*	38 °C	100 °F	89350*	177 °C	350 °F
	89125*	52 °C	125 °F	89375*	191 °C	375 °F
	89150*	66 °C	150 °F	89400*	204 °C	400 °F
	89175*	79 °C	175 °F	89425*	218 °C	425 °F
	89200*	93 °C	200 °F	89450*	232 °C	450 °F
	89225*	107 °C	225 °F	89475*	246 °C	475 °F
	89250*	121 °C	250 °F	89500*	260 °C	500 °F
	89275*	135 °C	275 °F	89525*	274 °C	525 °F
	89300*	149 °C	300 °F	89550*	288 °C	550 °F
	89325*	163 °C	325 °F	89650*	343 °C	650 °F



TEMPIL® TEMPERATURE INDICATORS

LEADER IN ADVANCED TEMPERATURE INDICATION-TECHNOLOGIES

Since 1938, Tempil® has been a leader in the development of innovative and accurate temperature indication technology for multiple markets. Our cost-effective solutions can monitor your supply chain, check critical temperatures in the manufacturing process or ensure a products' performance in the field. With our Tempil® products, we have utilized advanced and reliable indication and prevention technology, to produce a range of surface temperature products that allow for safe and versatile surface measurements. Costefficient, easy-to use, and available in multiple formats to meet your specific application needs. Tempil® is delivering the surface measurement solutions you can count on, when you need them most.



TEMPILSTIK®



FAST, ACCURATE SURFACE TEMPERATURE INDICATOR

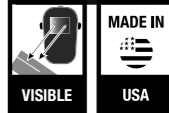
Providing accuracy, confidence and compliance for over 80 years, Tempilstik® is the original temperature-indicating stick with the best combination of precision and convenience for surface temperature measurement. Specially engineered for accurate temperature indication in pre-heating, interpass and post-weld heat treating applications, Tempilstik® is the industry's leading choice for use in the most critical jobs. Please note that the color of the Tempilstik® are not a part of their function, since the temperature signal consists of melting. Indicator color is subject to change without notice.

- 116 temperatures available from 100°F(38°C) to 2000°F(1093°C)
- Stick instantly melts at designated temperature for easy and immediate visual inspection
- Calibration-free with 100% reliability
- Accurate to within +/- 1% of Fahrenheit and +/- 3% Celsius rated
- Comply with preheat temperature requirements of AWS D1.1, ASME Code Sec. I, III and VIII, ANSI/ASME Code B31.1 and B31.3.
- Imprinted part number, temperature and lot code across entire stick for improved traceability
- Made in U.S.A.

PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT	PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT
28000	38 °C	100 °F	28029	163 °C	325 °F
28002	43 °C	109 °F	28030	173 °C	344 °F
28004	48 °C	119 °F	28031	177 °C	350 °F
28005	52 °C	125 °F	28032	184 °C	363 °F
28006	66 °C	150 °F	28033	191 °C	375 °F
28007	73 °C	163 °F	28034	198 °C	388 °F
28008	76 °C	169 °F	28035	204 °C	400 °F
28009	79 °C	175 °F	28036	212 °C	413 °F
28010	83 °C	182 °F	28037	218 °C	425 °F
28011	87 °C	188 °F	28039	232 °C	450 °F
28012	93 °C	200 °F	28040	239 °C	463 °F
28013	97 °C	206 °F	28041	246 °C	475 °F
28014	101 °C	213 °F	28042	253 °C	488 °F
28015	104 °C	219 °F	28043	260 °C	500 °F
28016	107 °C	225 °F	28044	274 °C	525 °F
28019	121 °C	250 °F	28045	288 °C	550 °F
28020	124 °C	256 °F	28046	302 °C	575 °F
28021	128 °C	263 °F	28047	316 °C	600 °F
28022	132 °C	269 °F	28048	343 °C	650 °F
28023	135 °C	275 °F	28049	371 °C	700 °F
28024	142 °C	288 °F	28050	399 °C	750 °F
28025	146 °C	294 °F	28051	427 °C	800 °F
28026	149 °C	300 °F	28052	454 °C	850 °F
28027	152 °C	306 °F	28053	482 °C	900 °F
28028	156 °C	313 °F	28055	510 °C	950 °F

PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT	PART NR.	TEMP. — CELSIUS	TEMP. — FAHRENHEIT
28056	538 °C	1000 °F	28315	125 °C	257 °F
28057	550 °C	1022 °F	28316	130 °C	266 °F
28058	566 °C	1050 °F	28317	140 °C	284 °F
28059	593 °C	1100 °F	28318	150 °C	302 °F
28060	621 °C	1150 °F	28319	155 °C	311 °F
28061	649 °C	1200 °F	28320	160 °C	320 °F
28062	677 °C	1250 °F	28321	165 °C	329 °F
28063	704 °C	1300 °F	28322	170 °C	338 °F
28064	760 °C	1400 °F	28323	175 °C	347 °F
28065	788 °C	1450 °F	28324	180 °C	356 °F
28066	816 °C	1500 °F	28325	190 °C	374 °F
28067	843 °C	1550 °F	28326	195 °C	383 °F
28068	871 °C	1600 °F	28327	200 °C	392 °F
28069	899 °C	1650 °F	28328	210 °C	410 °F
28070	927 °C	1700 °F	28329	215 °C	419 °F
28072	982 °C	1800 °F	28330	220 °C	428 °F
28073	1038 °C	1900 °F	28331	225 °C	437 °F
28074	1066 °C	1950 °F	28332	230 °C	446 °F
28075	1093 °C	2000 °F	28333	235 °C	455 °F
28300	40 °C	104 °F	28336	250 °C	482 °F
28301	50 °C	122 °F	28338	270 °C	518 °F
28302	55 °C	131 °F	28339	280 °C	536 °F
28303	60 °C	140 °F	28340	290 °C	554 °F
28304	70 °C	158 °F	28341	300 °C	572 °F
28305	75 °C	167 °F	28342	320 °C	608 °F
28306	80 °C	176 °F	28343	350 °C	662 °F
28307	85 °C	185 °F	28345	400 °C	752 °F
28308	90 °C	194 °F	28347	460 °C	860 °F
28309	95 °C	203 °F	28349	500 °C	932 °F
28310	100 °C	212 °F	28350	560 °C	1040 °F
28312	110 °C	230 °F	28351	600 °C	1112 °F
28313	115 °C	239 °F	28352	625 °C	1157 °F
28314	120 °C	248 °F	28355	700 °C	1292 °F





TEMPSTIK® TEST KIT

TEMPERATURE INDICATOR AND REFERENCE KIT

Tailor-made for welding inspectors, instructors and supervisors, Tempstik® Test Kit is an essential, one-stop tool that provides you with all the information needed for determining the proper temperatures for welding, heat treating, soldering, brazing and other operations involved in the fabrication of most metals.



- 20 Tempstik® Test Kit indicators systematically spaced between 125°F (52°C) -800°F (427°C)
- Stick melts at designated temperature for easy and immediate visual inspection with +/-1% accuracy.
- Calibration free with 100% reliability
- Made in U.S.A.

PART NR.	TEMP. — °C / °F	TEMP. — °C / °F	TEMP. — °C / °F
28600, includes :	52 °C / 125 °F	135 °C / 275 °F	232 °C / 450 °F
	66 °C / 150 °F	149 °C / 300 °F	246 °C / 475 °F
	79 °C / 175 °F	163 °C / 325 °F	260 °C / 500 °F
	93 °C / 200 °F	177 °C / 350 °F	288 °C / 550 °F
	107 °C / 225 °F	191 °C / 375 °F	316 °C / 600 °F
	121 °C / 250 °F	204 °C / 400 °F	371 °C / 700 °F
		218 °C / 425 °F	427 °C / 800 °F

TEMPIL® TEMPERATURE SENSITIVE LABELS

TEMPERATURE MONITORING

Temperature indicating labels are an economical temperature indication solution that can be easily applied to almost any surface for later monitoring, making it ideal for preventative maintenance, logistics, quality control, manufacturing, and many other applications.



TEMPILABEL® REVERSIBLE (LIQUID CRYSTAL®)



REVERSIBLE TEMPERATURE INDICATING LABELS

Providing users with a high level of flexibility, Tempilabel® reversible labels indicates accurate readings as the temperature fluctuates. Each label is equipped with seven specific temperature levels for easy identification and monitoring. Available in pack of 10 labels.

- Excellent accuracy of +/- 2% of the Fahrenheit rating
- LCD technology for real-time, accurate readings as temperature fluctuates
- Temperature range from 30°C (86°F) to 90°C (194°F)
- Calibration-free
- Oil, water and steam resistant.

PART NR.	TEMP. — °C / °F
26901	°C 30 35 40 45 50 55 60 °C
	°F 86 95 104 113 122 131 140 °F
26903	°C 60 65 70 75 80 85 90 °C
	°F 140 149 158 167 176 185 194 °F

TEMPILABEL® SERIES 4 AND SERIES 21

Monitor temperatures attained during:

- Shipping and storage: product integrity may depend on maintaining shipping and storage temperatures
 - Proces: manufacturing and other processes may depend on reaching — or staying below — certain temperatures
 - Product use: product warranty may depend on maintaining certain temperatures
 - Laboratory testing: testing procedures may depend on reaching — or staying below— certain temperatures.
- Excellent accuracy to +/- 2% of the Fahrenheit rating
 - Temperature range from 38°C (100°F) to 260°C (500°F)
 - Permanent record for inspection and quality control
 - Calibration-free
 - Oil, water and steam resistant
 - SERIES 4 :
 - Four temperature readings per labels for max/min applications
 - Label Size 23mm x 45mm



TEMPILABEL® SERIES 4

FOUR-LEVEL, IRREVERSIBLE TEMPERATURE INDICATING LABEL

Tempilabel® Series 4 labels are designed to deliver immediate, accurate and reliable readings for up to four temperatures in a variety of applications or environments.

Tempilabels can be quickly affixed to almost any surface and used to quickly indicate when a precise temperature is reached. Available in pack of 10 labels.



PART NR.	TEMP. — °C / °F	PART NR.	TEMP. — °C / °F
26700	°C 38 43 49 54 °C	26705	°C 166 171 177 182 °C
	°F 100 110 120 130 °F		°F 330 340 350 360 °F
26701	°C 54 60 66 71 °C	26706	°C 52 66 79 93 °C
	°F 130 140 150 160 °F		°F 125 150 175 200 °F
26702	°C 77 82 88 93 °C	26707	°C 38 66 93 121 °C
	°F 170 180 190 200 °F		°F 100 150 200 250 °F
26703	°C 88 93 99 104 °C	26708	°C 93 121 149 177 °C
	°F 190 200 210 220 °F		°F 200 250 300 350 °F

TEMPILABEL® SERIES 21

SINGLE-LEVEL, IRREVERSIBLE TEMPERATURE INDICATING LABEL

Tempilabel® Series 21 labels are uniquely designed to deliver immediate, accurate and reliable readings in a variety of applications or environments.

Tempilabels can be quickly affixed to almost any surface and used to quickly indicate when a precise temperature is reached. Available in pack of 210 labels, or in rolls of 1000 labels.



PART NR.	TEMP. — °C / °F	PART NR.	TEMP. — °C / °F
(210 pcs. roll / 1000 pcs. roll)		26262 / 26286	104°C / 220°F
26250 / 26275 26251 / 26276 26252 / 26277 26254 / 26278 26255 / 26279 26256 / 26280 26258 / 26282 26259 / 26283 26260 / 26284 26261 / 26285	38°C / 100°F	26263 / 26287	110°C / 230°F
	43°C / 110°F	26264 / -	116°C / 240°F
	49°C / 120°F	26265 / 26288	121°C / 250°F
	54°C / 130°F	26266 / 26289	127°C / 260°F
	60°C / 140°F	26267 / 26290	132°C / 270°F
	71°C / 160°F	26268 / 26291	138°C / 280°F
	82°C / 180°F	26269 / 26292	143°C / 290°F
	88°C / 190°F	26270 / 26293	149°C / 300°F
	93°C / 200°F	26271 / -	204°C / 400°F
	99°C / 210°F	26272 / -	260°C / 500°F



TEMPILAQ® ADVANCED

FAST-INDICATING SURFACE TEMPERATURE COATING

Tempilaq® Advanced is an accurate temperature indicating liquid that verifies the achievement of a specific temperature. It leaves a visible mark that dries fast prior to heating then liquefies at the stated temperature. The easy to mix formula can be applied on both horizontal and vertical surfaces. It is an efficient method that does not require calibration and it is optimal for heat-treating, preventive maintenance and any other temperature sensitive application.

- Melts at designated temperature leaving a noticeable different mark
- Dries fast on horizontal and vertical surfaces
- Enhanced formula to reduce settling
- Excellent accuracy within +/- 1% of Fahrenheit and +/- 3% of Celsius
- Wide temperature range from 300°F(149°C) to 1500°F(816°C)
- N-Propyl Bromide free formula
- Tempilaq Advanced thinner is available to dilute or replace evaporated solvent
- Made in U.S.A.



PART NR.	TEMP. — °C / °F	PART NR.	TEMP. — °C / °F
Tempilaq® 2 Ounce (59 ml)		Tempilaq® 2 Ounce (59 ml) — continued	
24405	149 °C / 300 °F	24427	510 °C / 950 °F
24407	163 °C / 325 °F	24428	538 °C / 1000 °F
24408	177 °C / 350 °F	24430	566 °C / 1050 °F
24410	191 °C / 375 °F	24431	593 °C / 1100 °F
24411 *	204 °C / 400 °F	24432	621 °C / 1150 °F
24413	232 °C / 450 °F	24433	649 °C / 1200 °F
24414	246 °C / 475 °F	24435	704 °C / 1300 °F
24416	260 °C / 500 °F	24438	816 °C / 1500 °F
24421	343 °C / 650 °F	Tempilaq® Thinner (59 ml)	
24422	371 °C / 700 °F	24597	
24423	399 °C / 750 °F	Tempilaq® Quart (946 ml)	
24424	427 °C / 800 °F	24565	593 °C / 1100 °F
24425	454 °C / 850 °F	24566	621 °C / 1150 °F
24426	482 °C / 900 °F	24567	649 °C / 1200 °F



* : The IMDS (International Material Data System) is the automobile industry's material data system. In the IMDS, all materials present in finished automobile manufacturing are collected, maintained, analysed and archived. IMDS facilitates meeting the obligations placed on automobile manufacturers, and thus on their suppliers, by national and international standards, laws and regulations.



TEMPIL® HIGH TEMPERATURE COATING

WELDABLE PRIMER AND HEAT-ABSORBING COATING

TEMPIL® has developed specific products where heat causes troubles, from protecting NASA's Space Shuttle Orbiter to solar panels. TEMPIL® has also developed special weldable Primer to save time in the welding processes.

BLOXIDE®

AN ALUMINUM-BASED WELDABLE PRIMER

Bloxide® is a versatile weldable primer with a unique aluminum-based formula that eliminates cleaning or removal before welding, thus saving time and labor costs. Enhanced by corrosion preventative features, Bloxide® can be applied to a wide range of metals for extended periods of storage, assisting in producing X-Ray quality welds.

- Enhanced corrosion resistance for extended periods of storage
- Aluminium-base formula allows for welding without removal, reducing downtime and rework contamination
- High temperature resistant to 800°F (427°C)
- Can be sprayed, brushed or parts can be dipped into it



ANTI-HEAT®

HEAT-ABSORBING COMPOUND



Anti-Heat® is specially formulated to eliminate heat damage and discoloration on materials exposed to high temperatures. Engineered to absorb and dissipate the heat generated by welding, brazing, or soldering from traveling through the metal surface, Anti-Heat® efficiently stops heat related damages such as buckling, cracking, warping or other metal distortions from occurring.

- Absorbs and dissipates heat to eliminate damage and discoloration
- Prevents heat migration through metal surfaces
- Non-toxic & Non-hazardous
- Asbestos-free and odorless
- Adheres to horizontal, vertical and overhead surface



PYROMARK®

HIGH-TEMPERATURE RESISTANT COATING

Pyromark® is a specially formulated coating for metal surfaces intended for high heat exposure. The silicone based coating provides long-lasting protection against oxidation and corrosion. Ideal for solar energy or any application that requires efficient heat transfer, the flat black formula is engineered with solar absorptivity of 0.95, which makes Pyromark® an almost perfect black box absorber.

- Silicone based coating for long-lasting protection against oxidation and corrosion
- Pyromark® 1200 withstands 1000°F(538°C)
- Pyromark® 2500 withstands 2000°F(1093°C)
- Improves heat transfer in infra-red heating applications due to high emissivity properties.
- Solar absorptivity of 0.95 is an ideal black box absorber.
- Only use Pyromark® Thinner to dilute or replace evaporated solvent



PART NR.	PART NR.	PART NR.	PART NR.
24100	24104	24003	25002
Bloxide 3,79 L	Bloxide 355ml (spray)	Anti-Heat (355ml)	Pyromark® 1200 Flat Black 3,79L



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL[®]

PRODUCT BROCHURE

GENERAL PURPOSE MARKER

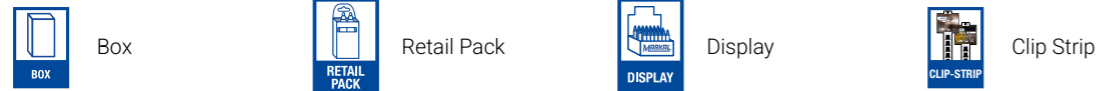


EXCEPTIONAL FLEXIBILITY

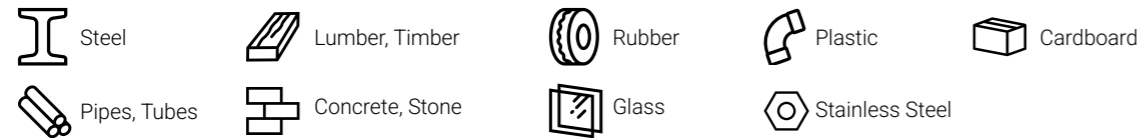


CAPTION

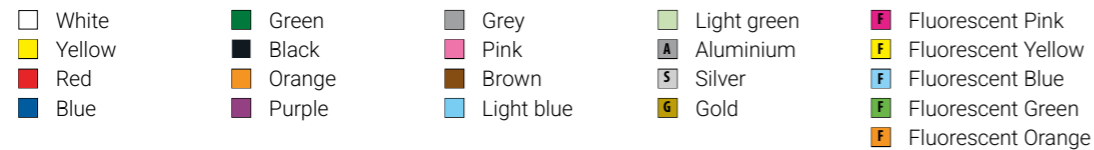
PACKAGING:



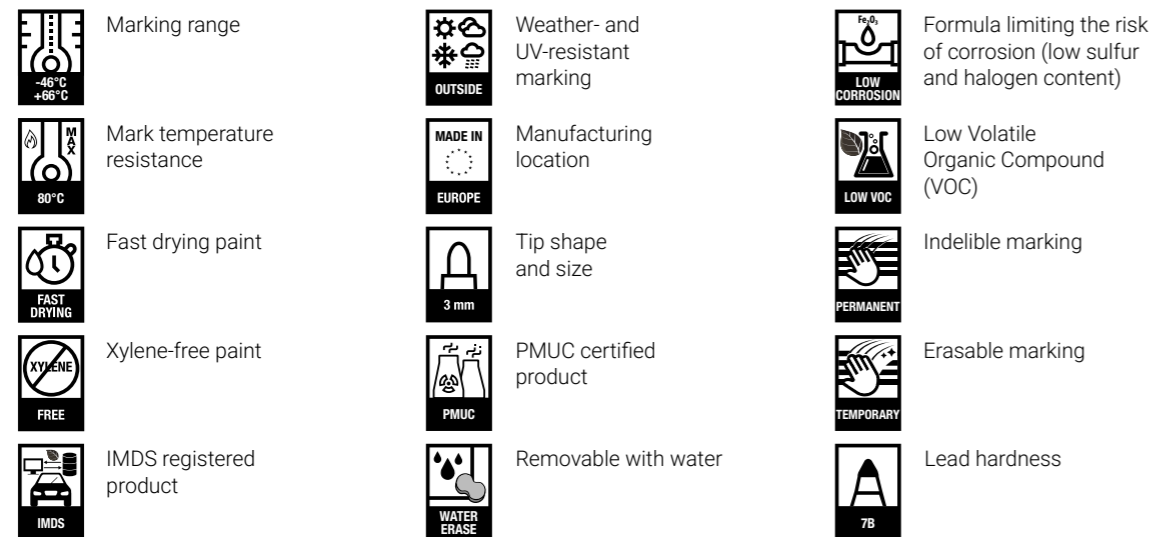
SURFACES :



COLORS :



PICTOGRAMS :



BRAND TRANSITION



WHAT IS CHANGING

Changing:

- Logo
- Product Naming
- Packaging

NOT changing:

- Part Numbers
- Case Quantities
- Packaging Dimensions
- Product formulation

NEW NAMING SYSTEM



Old Names:

- FM.120
- ZS.124
- ZS.130
- ZS.224
- ZS.230
- ZS.324
- TRADES-MARKER®
- Lumber Crayon 200

New Names:

- **Markal® TRADES-MARKER® Industrial Crayon FM.120**
- **Markal® TRADES-MARKER® Carpenter Pencil ZS.124**
- **Markal® TRADES-MARKER® Carpenter Pencil ZS.130**
- **Markal® TRADES-MARKER® Masonry Pencil ZS.224**
- **Markal® TRADES-MARKER® Masonry Pencil ZS.230**
- **Markal® TRADES-MARKER® Smooth Pencil ZS.324**
- **Markal® TRADES-MARKER® All Purpose**
- **Markal® TIMBERSTIK® All Purpose**

Old Names:

- Pro Ex
- TRADES-MARKER® Dry
- TRADES-MARKER® Dry Refills
- TRADES-MARKER® WS

New Names:

- **Markal® TIMBERSTIK® + Pro Grade**
- **Markal® TRADES-MARKER® + Dry**
- **Markal® TRADES-MARKER® + Dry Refills**
- **Markal® TRADES-MARKER® + Water Soluble**



TRADES-MARKER®

TRADES-MARKER® – STANDARD USE



TRADES-MARKER® INDUSTRIAL CRAYON FM.120



GENERAL PURPOSE INDUSTRIAL CRAYON

TRADES-MARKER® Industrial Crayon FM.120 is a wax-based marking crayon that works in all weather conditions. The marks are weather- and fade-resistant for long-lasting visibility..

PART NR.	
	44010100
	44010200
	44010300
	44010400
	44010500
	44010600

TRADES-MARKER® FM.001



PUSH-BUTTON HOLDER FOR TRADES-MARKER® INDUSTRIAL CRAYON FM.120

Durable aluminum holder helps prevent breakage and offers a comfortable grip during marker use.

PART NR.	
	44009999 Holder FM.120



TRADES-MARKER® CHINA MARKER



PAPER-WRAPPED MARKER, GREASE PENCIL

The paper-wrapped grease pencil is a smooth-writing, economical marker for marking almost any surface.

PART NR.	
	96010
	96011
	96012
	96015
	96016
	96013



TRADES-MARKER® ALL PURPOSE



MECHANICAL, ALL-SURFACE MARKER

TRADES-MARKER® All Purpose has the marking versatility of a paper-wrapped grease pencil combined with simple push-button advance that helps reduce cost and waste. This refillable, all-surface marker leaves a wear-resistant mark and is safe for all surfaces.

PART NR. — STARTER PACK		PART NR. — CARDED	
	96130 1x TRADES-MARKER® + 12x		96000 1x TRADES-MARKER®+
	96131 1x TRADES-MARKER® + 12x		1x + 1x + 1x + 1x + 1x
	96132 1x TRADES-MARKER® + 12x		
	96133 1x TRADES-MARKER® + 12x		
	96137 1x TRADES-MARKER® + 12x		



TRADES-MARKER®+ – PLUS SERIES



TRADES-MARKER®+ WATER SOLUBLE



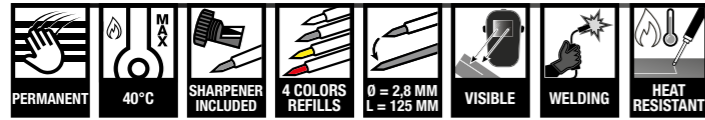
WATER-SOLUBLE, REMOVABLE, MECHANICAL ALL-SURFACE MARKER

TRADES-MARKER®+ Water Soluble is a refillable, all-surface marker that leaves a removable mark and is safe for all surfaces. Marks can be wiped away easily with water..

PART NR. — STARTER PACK		PART NR. — BULK	
	96190 1x TRADES-MARKER®+ 12x		96170 1x TRADES-MARKER®+ 1x
	96191 1x TRADES-MARKER®+ 12x		96171 1x TRADES-MARKER®+ 1x
	96192 1x TRADES-MARKER®+ 12x		



TRADES-MARKER®+ – PLUS SERIES



TRADES-MARKER®+ DRY

DEEP-HOLE MARKER FOR HARD-TO-REACH AREAS

TRADES-MARKER®+ Dry is a graphite clutch pencil with an extended fine tip. Fully designed in metal for more resistance than plastic holder, it incorporates a convenient sharpener and a clip. It can also be used with color leads for bright and dark surfaces, or with Welding refills featuring Silver Streak® and Red Riter® leads.

PART NR. — BOX		PART NR. — RETAIL PACK	
	96260 TRADES-MARKER®+ Dry + 1 Graphite lead		96264 TRADES-MARKER®+ Dry + 1 Graphite lead + 1 pack Mix refills (2x , 2x , 2x)
			96281 TRADES-MARKER®+ Dry + 1 Graphite lead + 1 pack Welding refills (6x , Silver-Streak®)

PART NR. — DISPLAY	
	96269 Display Welding 20x 96260 (TRADES-MARKER®+ Dry + 1 Graphite lead) + 10 x 96267 (=6x Silver-Streak®) + 10 x 96268 (=6x Red-Riter®) +
	96261 Display Construction 20x 96260 (TRADES-MARKER®+ Dry + 1 Graphite lead) + 10 x 96262 (=6x graphite) + 10 x 96263 (=2x , 2x , 2x)
	96280 Display Mix 20x 96260 (TRADES-MARKER®+ Dry + 1 Graphite lead) + 5 x 96267 (=6x Silver-Streak®) + 5 x 96268 (=6x Red-Riter®) + 3 x 96262 (=6x graphite) + 3 x 96263 (=2x , 2x , 2x) + 2 x 96265 (=6x) + 2 x 96266 (=6x)

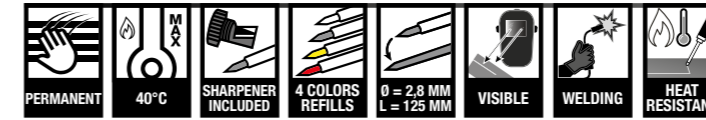


TRADES-MARKER®+ DRY — REFILLS

UNIVERSAL AND WELDING REFILLS

Markal® TRADES-MARKER® Dry graphite and colored Refills can write or mark on all types of surfaces and materials (dusty, rough, smooth, greasy, wet, dark, etc.) Markal® Silver-Streak® and Red-Riter® welding refills for TRADES-MARKER® Dry make torch-resistant marks that will not burn or rub off like soapstone. Ideal for fine line marking during metal layout and fabrication, these highly visible marks illuminate when cutting or welding.

PART NR. — BOX		PART NR. — RETAIL PACK	
	96262 6 Graphite lead		22225 6 Graphite lead
	96263 6 Mix refills (2x , 2x , 2x)		22226 6 Mix refills (2x , 2x , 2x)
	96265 6x		22223 6x
	96266 6x		22224 6x
	96549 6x (Hard surfaces, max. 70°C)		22257 6x (Hard surfaces, max. 70°C)
	96267 6x Silver-Streak® (WELDING)		22227 6x Silver-Streak® (WELDING)
	96268 6x Red-Riter® (WELDING)		22228 6x Red-Riter® (WELDING)



TRADES-MARKER®+ DRY 2 IN 1

1 MARKER, 2 FUNCTIONS : WITH CAP, PRECISE REFILLABLE MARKER; WITHOUT CAP : DEEP HOLE MARKER

TRADES-MARKER®+ Dry 2 in 1 is a convenient refillable marker with an extended fine tip. Its removable triangular cap design ensures a good handling for precise marking even with gloves. When the cap is off, a 45mm full metal fine tip perfect for deep hole marking is revealed. It incorporates a convenient sharpener and a clip. It can be used with color leads for bright and dark surfaces, or with Welding refills featuring Silver Streak® and Red Riter® leads.

PART NR. — BOX		PART NR. — RETAIL PACK	
	95300 TRADES-MARKER®+ Dry 2 in 1 + 1 Graphite lead		95301 TRADES-MARKER®+ Dry 2 in 1 + 1 Graphite lead + 1 pack Mix refills (2x , 2x , 2x)

PART NR. — DISPLAY	
	95302 Display Mix 20x 95300 (TRADES-MARKER®+ Dry 2 in 1 + 1 Graphite lead) + 4 x 96549 (=6x) + 4 x 96262 (=6x graphite) + 4 x 96263 (=2x , 2x , 2x) + 4 x 96265 (=6x) + 4 x 96266 (=6x)



TRADES-MARKER®+ DRY 2 IN 1 — REFILLS

UNIVERSAL AND WELDING REFILLS

Markal® TRADES-MARKER® Dry 2 in 1 is compatible with the TRADES-MARKER® Dry refills. See product references on previous page.

TRADES-MARKER®+ DRY & DRY 2 IN 1 — READY-TO-SELL

Our new Ready-to-sell Retail displays are a ready-to-sell merchandising option that arrive in your retail setting without the need for unpacking or special set-up.

PART NR. — READY-TO-SELL	
	22600 TRADES-MARKER®+ DRY Construction TRADES-MARKER®+ Dry x150 (30 markers + x40 refills MIX + x20 refills (graphite) + x20 refills + x20 refills + x20 refills)
	22601 TRADES-MARKER®+ DRY 2 in 1 Construction TRADES-MARKER®+ Dry 2 in 1 x140 (20 markers + x40 refills MIX + x20 refills (graphite) + x20 refills + x20 refills + x20 refills)



TRADES-MARKER® – STANDARD USE



TRADES-MARKER® CARPENTER PENCIL ZS.124 & ZS.130



OVAL CARPENTER PENCIL

TRADES-MARKER® Carpenter Pencil ZS.124 & ZS.130 are carpenter pencils, ideal for marking wood, cardboard, and other surfaces. The premium quality wood resists breaking when stored with heavy tools. Available in 24 and 30 cm.

PART NR. — BOX		PART NR. — RETAIL PACK	
	44091124		44092124
	TRADES-MARKER® Carpenter Pencil ZS.124 24cm		TRADES-MARKER® Carpenter Pencil ZS.124 24cm
	44091130		44092130
	TRADES-MARKER® Carpenter Pencil ZS.130 30cm		TRADES-MARKER® Carpenter Pencil ZS.130 30cm



TRADES-MARKER® MASONRY PENCIL ZS.224 & ZS.230



MASONRY PENCIL

TRADES-MARKER® Masonry Pencil ZS.224 & ZS.230 are masonry pencils, ideal for marking on stone and other hard surfaces. The premium-quality wood resists breaking when stored with heavy tools. Available in 24 and 30 cm.

PART NR. — BOX		PART NR. — RETAIL PACK	
	44091224		44092224
	TRADES-MARKER® Masonry Pencil ZS.224 24cm		TRADES-MARKER® Masonry Pencil ZS.224 24cm
	44091230		44092230
	TRADES-MARKER® Masonry Pencil ZS.230 30cm		TRADES-MARKER® Masonry Pencil ZS.230 30cm



TRADES-MARKER® SMOOTH PENCIL ZS.324



TRIANGULAR ALL-SURFACE PENCIL 24 CM

TRADES-MARKER® Smooth Pencil ZS.324 is a red varnished triangular pencil, ideal for marking on every kind of smooth surfaces, including glass. The premium-quality wood resists breaking when stored with heavy tools.

PART NR.	
	44092324
	TRADES-MARKER® Smooth Pencil ZS.324 24cm



TYRE MARQUE®



TEMPORARY SOLID PAINT CRAYON FOR TIRE MARKING

For temporary marking on tires, the Tyre Marque® solid paint crayon marks smoothly on many surfaces. These bright, smear-resistant colors are easily seen in low light areas and are ideal for tire mark.

PART NR.	
	51420
	51421

HOLDER 108



METAL HOLDER FOR HEX-SHAPED INDUSTRIAL MARKERS

This specially-designed holder and leather wrist strap reduces hand fatigue and protects hex-shaped Markal® markers on the jobsite (Tyre Marque®, Timberstik All Purpose, Timberstik+ Pro Grade, Scan-It Plus).

PART NR.	
	85400
	Holder 108



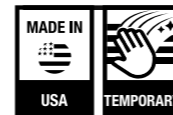
FM.213



SQUARE CHALK FOR TEMPORARY MARKING

Industrial square chalk for temporary marking on most surfaces. Marks are easy to remove and its square design offers a variety of line widths. Marker dimensions: 90 x 13 x 13 mm

PART NR.	
	44060100



RAILROAD CHALK



IDEAL FOR TEMPORARY IDENTIFICATION

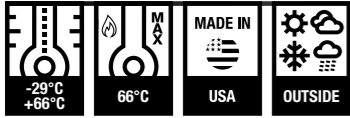
The Railroad Chalk is all about leaving highly visible and temporary marks on almost any surface. Engineered for smoother marking and bolder, brighter marks, it's ideal to be applied under the most extreme condition and industrial uses for identification purposes.

PART NR.	
	80500
	80502
	80506
	80501
	80505



TIMBERSTIK®

TIMBERSTIK® – STANDARD USE



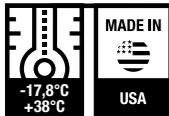
TIMBERSTIK® ALL PURPOSE

ECONOMICAL, WAX-BASED LUMBER CRAYON

TIMBERSTIK® ALL PURPOSE is a soft, standard-grade lumber crayon for general-use marking and works well in cold climates. The wax-based mark is weather- and UV-resistant.



PART NR.		
	80350	80351
	80355	80356
	80354	80352
		80353



TIMBERSTIK® ULTRASCAN®

HIGH-PERFORMANCE CRAYON FOR GRADE MARK READERS

TIMBERSTIK® ULTRASCAN® lumber grading crayons provide the best color separation and character recognition in the industry for grade mark readers.



PART NR.			
	82430	82439	82451
	82431	82440	82452
	82432	82441	82457
	82433	82442	82459
	82434	82446	82461
	82435	82447	82462
	82436	82450	82463
			82466
			82467
			82468
			82469
			82470



TIMBERSTIK® SCAN-IT® PLUS

CRAYON FOR GRADE MARKING

TIMBERSTIK® SCAN-IT® PLUS is a versatile grade marking crayon with multiple hardnesses and sizes to mark most lumber types in varying production environments.



	PART NR. — HARD	PART NR. — MEDIUM
	SCAN-IT® PLUS 1/2" HEX (13mm)	
	Orange	82231
	Watermelon Red	82232
	Grasshopper Green	82234
	SCAN-IT® PLUS 1/2" HEX (13mm)	
	Orange Sherbet	82236
	Watermelon Red	82237
	Grasshopper Green	82239
	Lemon	-
	Pumpkin	-
		82331
		-
		-
		82336
		82337
		82339
		82359
		82347



TIMBERSTIK® – PLUS SERIES



TIMBERSTIK® + PRO GRADE

NEW LOOK AND IMPROVED FORMULA

TIMBERSTIK®+ PRO GRADE is a new and improved version of the well-known Markal® Pro-EX® Lumber Crayon. The improved formula provides extended write out and superior strength, with improved mark brightness for unsurpassed color visibility. This heavy-duty lumber crayon marks on variety of surfaces and is ideal for any climate condition where water, fade or smear resistance is needed.



PART NR. — BOX		PART NR. — CARDED	
	80381		80601
	80385		80602
	80384		
			x4
			x4



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.

MARKAL®

PRODUCT BROCHURE

MERCHANDISING SOLUTIONS



DISPLAYS & RETAIL-PACKS

STANDARD & PLUS SERIES

INCREASE SALES AND REVENUE WITH VISUALLY IMPACTFUL TARGETED PRODUCT DISPLAYS.

Our high quality POS (point of sale) Displays, Retail-Packs, Ready-to-sell and Cross Merchandizing clip strip solutions transform your customers' attention into keen interest. By attracting attention and triggering emotions, the stable and light sales Displays and the eye-catching Retail-Packs make a crucial contribution to customers' final decision to buy.

A VISUALLY ATTRACTIVE WAY OF PRESENTING OUR PRODUCTS:

- High visibility design with strong brand identity : these packages are the first to be seen by the consumer, and there is a strong need to maintain the brand identity.
- Colorful boxes create impact on the consumer, a visual stimuli

A WAY OF PRESENTING PRODUCTS THAT CREATES INCREASED OPPORTUNITIES OF SALE

- Consumables marking products can be found quickly
- People identify with our unique and recognizable brand
- Our eye-catching displays attract interest and attention and encourage impulse buying ; they are delivered with a free additional product and glue dots for a clear overview of the marker without a cap
- By adding a clip strip in a section where it doesn't really belong, both the reseller and the customer win : the customer, by satisfying a need that they needed to be reminded of at the right time and place ; the reseller, by getting the most out of their physical store.

FOR THE RESELLER, AN EASY WAY OF HANDLING THEIR MARKAL® PRODUCTS

- Our displays are ready-to-use with easy handling : open the box, place it on the shelf (already filled)
- Sufficient filling space, easily refillable
- Our clip strips take minutes to hang

NEW PACKAGING THAT ARE UP TO THE ENVIRONMENTAL CHALLENGES

- All of us care about the environment and attempt to protect it in the way we can; this is why we chose to use eco-friendly cardboard, wood displays... and not plastic blisters.

PACKAGINGS THAT SAY IT ALL WITH A MINIMUM OF WORDS

- On the facing :
 - High quality application pictures for an immediate understanding of the marker use
 - High-quality pictures of the product, as well as product's critical action in few words
- On the back side : a short description of the product in many languages
- Lots of information can be found on any of the packaging's 4 sides in the form of pictograms or illustrations, in order to reach customers from many countries :
 - Compatible surfaces,
 - Available colors,
 - Instruction of use,
 - Recycling information,
 - Mark size,
 - Country of origin...

PACKAGINGS THAT SAY IT ALL WITH A MINIMUM OF WORDS.



1 BRAND LOGO

2 SUB-BRAND
Streamlined product naming. Based on composition of product and/or its intended use or industry

3 CRITICAL ACTION
Conveys benefit. Helps customer understand application

4 SURFACES PICTOGRAMS

5 MARKERS EXISTING COLORS AVAILABLE
to widen the customer interest

6 FEATURES AND BENEFITS
with international iconography for easy understanding

7 HIGH QUALITY PRODUCT PICTURE

8 PHOTO-REALISTIC ENVIRONMENT
Helps customer understand application or industry

9 PRODUCT DESCRIPTIONS
in various languages for expanded marketability

10 BACK-SIDE LABEL
Reviews the number of product in the packaging, as well as the product's name, part number, barcode and color(s) in various languages.

11 COUNTRY OF ORIGIN
As a pictogram or on the back-side label

12 PLUS SERIES LOGO LOCK-UP

13 SUB-BRAND
Streamlined product naming. Based on composition of product and/or its intended use or industry. Plus Series symbol (+)

SPECIALIZED AND PREMIER FORMULAS

are differentiated by a silver background, a special plus symbol (+) version of the sub-brand logos, and a "Plus Series" logo lock-up.

UNIQUE PRODUCTS WITH CLEARLY ARTICULATED BENEFITS GIVE YOU MORE VALUE AND HIGHER PROFITS.



RETAIL PACKS



DURA-INK® NEEDLE NOSE 5

The DURA-INK® Needle Nose 5 is a permanent ink marker that uses an extended micro tip for precision marking needs and is ideal to use through drill holes, mounting brackets, or in any hard to reach area. The industrial-strength ink dries quickly on almost any surface and is wear- and weather-resistant.

PART NR.	DESCRIPTION — 4 PACK
22241	■ x4
22242	■ x2 ■ x1 ■ x1



DURA-INK® FINE 15

Ideal for layout work and parts identification, the DURA-INK® Fine 15 permanent ink marker has a fine bullet tip for precise marking. The wear-resistant, fast-drying ink and durable tip and barrel makes this marker ideal for industrial environments.

PART NR.	DESCRIPTION — 5 PACK
22239	■ x5
22240	■ x1 ■ x1 ■ x1 ■ x1 ■ x1



PART NR.	DESCRIPTION — 3 PACK
22369	■ x3
22370	■ x2 ■ x1

DURA-INK® RETRACTABLE 20

The DURA-INK® Retractable 20 permanent ink marker uses a one-handed, push-button for easy opening and closing. The convenient capless feature makes it ideal for use in tight work spaces and eliminates mess or lost caps.

PART NR.	DESCRIPTION — 3 PACK
22251	■ x3
22252	■ x2 ■ x1



DURA-INK® METAL BARREL CHISEL 25

The DURA-INK® Metal Barrel Chisel 25 permanent ink marker's large, chisel tip offers the flexibility of producing fine or broad marks on almost any surface. With an extra-large ink supply and metal barrel, this marker offers longer marking life and durability.

PART NR.	DESCRIPTION — 2 PACK
22258	■ x2
22259	■ x1 ■ x1



DURA-INK® DUAL TIP

Experience the versatility of DURA-INK® Dual Tip permanent ink markers and conveniently create both fine and micro-sized marks with one marker instead of two. Versatile, two tip design can tackle jobs both big and small, and the industrial-strength ink writes on most any surface - allowing for faster, more efficient marking in a variety of applications.

PART NR.	DESCRIPTION — 4 PACK
22270	■ x4
22271	■ x3 ■ x1



DURA-INK® CHISEL 55

For flexible, finer line marking, the DURA-INK® Chisel 55 features a medium chisel tip to produce both fine and broad permanent marks. This economical, durable plastic barrel withstands tough industrial uses and is the alternative to the high-cost metal barrels.

PART NR.	DESCRIPTION — 2 PACK
22243	■ x2
22244	■ x1 ■ x1
22245	■ x1 ■ x1
22246	■ x1 ■ x1

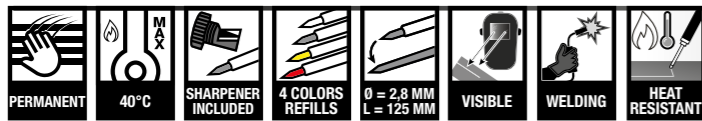


DURA-INK® BULLET TIP 60

The DURA-INK® Bullet Tip 60 is a permanent ink marker with a durable, medium bullet tip to provide bold, clean marks. Ideal for industrial use, the ergonomic plastic barrel is easy to use even with work gloves.

PART NR.	DESCRIPTION — 2 PACK
22247	■ x2
22248	■ x1 ■ x1
22249	■ x1 ■ x1
22250	■ x1 ■ x1





TRADES-MARKER®+ DRY — Construction or Welding

TRADES-MARKER®+ Dry is a graphite clutch pencil with an extended fine tip. Fully designed in metal for more resistance than plastic holder, it incorporates a convenient sharpener and a clip. It can also be used with color leads for bright and dark surfaces, or with Welding refills featuring Silver-Streak® and Red-Riter® leads.



PART NR.	DESCRIPTION - CONSTRUCTION
96264	x1 TRADES-MARKER®+ Dry + x1 Packs of Mix refills
22223	■ x1 pack of red refills
22224	■ x1 pack of yellow refills
22225	■ x1 pack of graphite refills
22226	■ x1 pack of mix refills
22257	□ x1 pack of white refills



PART NR.	DESCRIPTION - WELDING
96281	x1 TRADES-MARKER®+ Dry + x1 Packs of Silver-Streak® refills
22227	■ x1 pack of Silver-Streak® refills
22228	■ x1 pack of Red-Riter® refills



TRADES-MARKER®+ DRY — 2 IN 1



TRADES-MARKER®+ Dry 2 in 1 is a convenient refillable marker with an extended fine tip. Its removable triangular cap design ensures a good handling for precise marking even with gloves. When the cap is off, a 45mm full metal fine tip perfect for deep hole marking is revealed. It incorporates a convenient sharpener and a clip. It can be used with color leads for bright and dark surfaces, or with Welding refills featuring Silver Streak® and Red Riter® leads.

PART NR.	DESCRIPTION
95301	x1 TRADES-MARKER®+ Dry 2 in 1 + x1 Packs of Mix refills



ELEC'PACK and PLUMB'PACK

Elec'Pack and Plumb'Pack are new products that are meant to become a must-have tool for professional electricians and plumbers. They contain each 4 specific professional products that are proven really useful in our customers' trades :

- 1 TRADES-MARKER®+ Dry 2in1 — 1 marker, 2 functions : with cap, precise refillable marker; without cap : deep hole marker
- 1 mix Refills Pack — Those graphite and colored Refills can write or mark on all types of surfaces and materials (dusty, rough, smooth, greasy, wet, dark, etc.)
- 1 black DURA-INK® Dual Tip — Dual-sided industrial ink marker provides the convenience and value of two markers in one.

ELEC'PACK specifically includes :

- 1 silver DURA-INK® Fine 15 — Permanent ink marker with fine bullet tip : the perfect marker with instant drying silver ink and fine tip to mark on black cables.

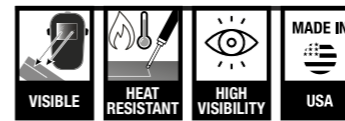


PART NR.	DESCRIPTION
22272	x1 DURA-INK® Dual Tip ■ + x1 silver DURA-INK® Fine 15 ■ + x1 TRADES-MARKER®+ Dry 2in1 + x1 mix Refills Pack

PLUMB'PACK specifically includes :

- 1 white QUIK-STIK® ALL PURPOSE MINI — Fast-drying solid paint in twist-up holder : a convenient solid paint marker that writes on virtually any surface, whether it's dry or wet, smooth or rough, greasy or dusty...

PART NR.	DESCRIPTION
22273	x1 DURA-INK® Dual Tip ■ + x1 QUIK-STIK® All Purpose Mini □ + x1 TRADES-MARKER®+ Dry 2in1 + x1 mix Refills Pack



MARKAL® WELD-RITER® WELDING PENCILS

MARKAL® Silver-Streak® and Red-Riter® welders pencils make torch-resistant marks that will not burn or rub off like soapstone. They are ideal when highly-visible, torch-resistant marks are required during metal layout and fabrication work.

PART NR.	DESCRIPTION	PART NR.	DESCRIPTION
22219	■ x2 Silver-Streak® + x1 Red-Riter®	22220	■ x3 Silver-Streak®



MARKAL® WELD-RITER® WELDING MARKER

MARKAL® Silver-Streak® metal markers are ideal when highly-visible, torch-resistant marks are required during metal layout and fabrication work. The unique reflective lead is more visible through a welder's filter plate and will not rub, burn or blow off like soapstone. Marks on all metal surfaces including oily or wet.

PART NR.	DESCRIPTION
22221	x1 Silver-Streak® Round Holder + x2 Packs of Silver-Streak® refills
22222	x2 Pack of Silver-Streak® refills



STYLMARK ORIGINAL

MARKAL® STYLMARK Original is a metal-ball tip marker for marking most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risks.



PART NR.	DESCRIPTION (3MM)	PART NR.	DESCRIPTION (3MM)	PART NR.	DESCRIPTION (3MM)
96652	□ x1	96656	■ x1	96660	■ x1
96653	■ x1	96657	■ x1	96661	■ x1
96654	■ x1	96658	■ x1	96662	■ x1
96655	■ x1	96659	■ x1		



SECURITY CHECK ORIGINAL

SECURITY CHECK Original provides a convenient visual method for identification of vibratory loosening or tampering in nuts, bolts, fasteners, and assemblies. High visibility paint mark becomes a hard film that breaks easily. Ideal for quality control and warranty work. Safe on most surfaces, adheres perfectly to metal. Safe for the user, doesn't contain Xylene.



PART NR.	DESCRIPTION (3MM)	PART NR.	DESCRIPTION (3MM)	PART NR.	DESCRIPTION (3MM)
96668	□ x1	96671	■ x1	96674	■ x1
96669	■ x1	96672	■ x1	96675	■ x1
96670	■ x1	96673	■ x1	96677	■ x1
96678	■ x1	96680	■ x1	96681	■ x1





PAINT-RITER® INDUSTRY MARKER SL.100

PAINT-RITER® Industry Marker SL.100 is a xylene-free, low-odor fast-drying liquid paint marker that provides long-lasting marks for almost any surface. The 15 opaque, bright colors are weather- and UV-resistant for excellent mark identification.

PART NR.	DESCRIPTION — 4 PACK	PART NR.	DESCRIPTION — 1 PACK
22229	□ x2 □ x2	22330	□ x1
22230	□ x1 □ x1 □ x1 □ x1	22331	□ x1
22231	□ x1 □ x1 □ x1 □ x1	22332	□ x1
22232	□ x1 □ x1 □ x1 □ x1	22333	□ x1
22233	□ x1 □ x1 □ x1 □ x1	22334	□ x1
		22335	□ x1

PART NR. DESCRIPTION — 2 PACK

22328	□ x2
22329	□ x1 □ x1



PAINT-RITER® VALVE ACTION® PAINT MARKER

PAINT-RITER® Valve Action® Paint Marker is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

PART NR.	DESCRIPTION — 4 PACK	PART NR.	DESCRIPTION — 1 PACK
22234	□ x2 □ x2	22300	□ x1
22235	□ x1 □ x1 □ x1 □ x1	22301	□ x1
		22303	□ x1
		22304	□ x1
		22308	□ x1
		22309	□ x1

PART NR. DESCRIPTION — 2 PACK

22298	□ x2
22299	□ x1 □ x1



PAINT-RITER®+ OILY SURFACE HP

PAINT-RITER®+ Oily Surface HP is a liquid paint marker developed for superior marking performance on oily and greasy surfaces. The high performance paint penetrates through oils and greases to dry quickly and leave a bold, permanent mark.

PART NR.	DESCRIPTION — 4 PACK	PART NR.	DESCRIPTION — 1 PACK
22236	□ x2 □ x2	22280	□ x1
22237	□ x1 □ x1 □ x1 □ x1	22281	□ x1
		22282	□ x1
		22283	□ x1
		22284	□ x1
		22285	□ x1

PART NR. DESCRIPTION — 2 PACK

22293	□ x2
22294	□ x1 □ x1



PAINT-RITER® WATER ERASE SL.130

PAINT-RITER®+ Water Erase SL.130 is a crayon-based liquid paint that easily wipes away with water from any smooth, non-porous surface without leaving a ghost trace or residue once the mark is removed.

PART NR.	DESCRIPTION — 2 PACK	PART NR.	DESCRIPTION — 1 PACK
22348	□ x2	22352	□ x1
22349	□ x1 □ x1	22353	□ x1
22350	□ x1 □ x1	22354	□ x1
22351	□ x1 □ x1	22355	□ x1



MAINTENANCE PACK

The MAINTENANCE PACK contains all the essential products in a single package for professionals working in maintenance. It includes the following 4 products :

- 1 TYRE MARQUE® — Temporary solid paint crayon for tire marking
- 1 DURA-INK® Chisel 55 — Permanent ink marker with medium chisel tip
- 1 PAINT-RITER® Water Erase SL.130 — Removable liquid paint marker for temporary marking
- 1 PAINT-RITER® Oily Surface HP — Liquid paint marker for oily surface marking

PART NR.	DESCRIPTION
22274	□ x1 TYRE MARQUE® + □ x1 DURA-INK® 55 + □ x1 PAINT-RITER® WATER ERASE SL.130 + □ x1 PAINT-RITER® OILY SURFACE HP

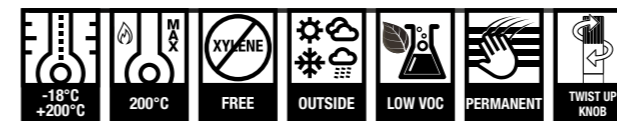


PAINTSTIK® ORIGINAL B

As MARKAL®'s most versatile and economic marker, the PAINTSTIK® Original B solid paint marker combines the durability of paint in the convenience of a crayon. The real paint formula has superior marking performance on oily, icy, wet, dry or cold surfaces and is weather- and UV-resistant. This PAINTSTIK® works on rough, rusty, smooth, or dirty surfaces.

PART NR. DESCRIPTION — 3 PACK

22253	□ x3
22254	□ x1 □ x1 □ x1
22255	□ x1 □ x1 □ x1
22256	□ x1 □ x1 □ x1



QUIK STIK® ALL PURPOSE MINI

The QUIK STIK® All Purpose Mini is a compact solid paint marker in a convenient twist-up, plastic holder that is ideal for finer line marking on smooth or rough surfaces. This smaller version of the QUIK STIK® All Purpose advances easily in a pocket or tool belt and easily advances with the turn of a knob, allowing for full use of the marker. The high-performance paint dries quickly to leave bold, permanent marks on most surfaces.

PART NR. DESCRIPTION — 5 PACK

22238	□ x2 □ x1 □ x1 □ x1
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READY-TO-SELL

ORDER IT, OPEN IT : READY-TO-SELL

Our new Ready-to-sell Retail displays are a ready-to-sell merchandising option that arrive in your retail setting without the need for unpacking or special set-up.

- Those Ready-to-sell displays are ordered as they are, already filled with the products.
- They are really convenient and they present really well on the shelf or on a self-standing display — with a minimum of efforts : pack it out of its case, open the lid and fold it in two, tuck it in behind the last product. **Ready to sell !**
- **Up to 288 products in one single Ready-to-sell box**, within hand's reach = just as many occasions to create spontaneous acts of purchase.
- Statistics show that many people buy a product partly because of its packaging : our Ready-to-sell solution does its part by attracting the customers eye, making the products' functions, features and benefits clear to them in the glimpse of an eye. **It is a true advertising and promotion tool.**



Dimensions :

- **Stylmark :**
28 cm deep x 18,5 cm wide x 24,5 cm high (with open lid — 11 cm without)
- **Other products :** 30,4 cm deep x 17,5 cm wide x 27,5 cm high (with open lid — 13 cm without)

READY-TO-SELL STYLMARK

Markal® STYLMARK Original is a metal-ball tip marker for marking most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risks.



PART NR.	DESCRIPTION
22500	□ x24
22501	■ x24
22502	■ x24
22503	■ x24
22505	■ x24
22506	■ x24

READY-TO-SELL DURA-INK

(FINE 15, RETRACTABLE 20, METAL BARREL CHISEL 25, CHISEL 55, BULLET TIP 60, JUMBO CHISEL 200)



Preferred for their ability to immediately mark and dry on almost any type of surface, felt-tip ink markers can be found on almost any job site, in any factory, or throughout warehouses and shipping departments around the world. Our line of DURA-INK® markers utilize industrial-grade construction, tips, and long-lasting inks, making them ideal for use in almost any application.

PART NR.	DESCRIPTION
22512	DURA-INK® Fine 15 x144 : ■x72 (6 boxes) + ■x36 (3 boxes) + ■x12 (1 box) + ■x12 (1 box) + □x12 (1 box)
22513	DURA-INK® Retractable 20 x72 : ■x48 (4 boxes) + ■x24 (2 boxes)
22514	DURA-INK® Metal Barrel Chisel 25 x48 : (■x36 (3 boxes) + ■x12 (1 box))
22515	DURA-INK® Chisel 55 x48 : ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box)
22516	DURA-INK® Bullet Tip 60 x48 : ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box) + ■x12 (1 box)
22517	DURA-INK® Product Mix x84 : - ■x36 DURA-INK® Fine 15 (3 boxes) - ■x24 DURA-INK® Retractable 20 (2 boxes) - ■x12 DURA-INK® Bullet Tip 60 (1 box) - ■x12 DURA-INK® Jumbo Chisel 200 (1 box)
22518	DURA-INK® Product Mix x96 - ■x48 DURA-INK® Fine 15 (4 boxes) - ■x24 DURA-INK® Retractable 20 (2 boxes) - ■x12 DURA-INK® Bullet Tip 60 (1 box) - ■x12 DURA-INK® Chisel 55 (1 box)

READY-TO-SELL DURA-INK® NEEDLE NOSE 5 OR DUAL TIP



The DURA-INK® Needle Nose 5 is a permanent ink marker that uses an extended micro tip for precision marking needs and is ideal to use through drill holes, mounting brackets, or in any hard to reach area.

As for the DURA-INK® Dual Tip, it is a permanent ink marker that conveniently creates both fine and micro-sized marks with one marker instead of two. The two tip design can tackle jobs both big and small.

Both feature an industrial-strength ink that can writ

e and dries quickly on almost any surface and is wear- and weather-resistant.

PART NR.	DESCRIPTION
22523	DURA-INK® Needle Nose 5 x96 : ■x48 (4 boxes) + ■x24 (2 boxes) + ■x24 (2 boxes)
22524	DURA-INK® Dual Tip x144 : ■x96 (8 boxes) + ■x48 (4 boxes)
22525	DURA-INK® Product Mix : DUAL TIP - NEEDLE NOSE x144 - ■x48 Dual Tip (4 boxes) + ■x24 Dual Tip (2 boxes) - ■x48 DURA-INK® Needle Nose 5 (4 boxes) + ■x24 DURA-INK® Needle Nose 5 (2 boxes)



READY-TO-SELL QUIK STIK® FAMILY



New Look-Same Formula, Improved Functionality. QUIK STIK® All Purpose is a smooth-marking solid paint crayon that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker. QUIK STIK®+ Oily Surface solid paint markers are specially designed for challenging industrial environments where marking on oily and wet surfaces is needed

PART NR.	DESCRIPTION
22530	QUIK STIK® All Purpose x48 : ■ x24 (2 boxes) + ■ x24 (2 boxes)
22531	QUIK STIK® All Purpose x48 : ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box)
22532	QUIK STIK®+ Oily Surface x48 : ■ x24 (2 boxes) + ■ x24 (2 boxes)
22533	QUIK STIK®+ Oily Surface x48 : ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box)
22534	QUIK STIK® All Purpose MINI x96 : ■ x36 (3 boxes) + ■ x36 (3 boxes) + ■ x12 (1 box) + ■ x12 (1 box)
22535	QUIK STIK® Product Mix x120 : - ■ x24 QUIK STIK® All Purpose (2 boxes) - ■ x24 QUIK STIK®+ Oily Surface (2 boxes) - ■ x24 QUIK STIK®+ Oily Surface Mini (2 boxes) - ■ x48 QUIK STIK® All Purpose Mini (4 boxes)

READY-TO-SELL PAINTSTIK® ORIGINAL B



As Markal's most versatile and economic marker, the PAINTSTIK® Original B® solid paint marker combines the durability of paint in the convenience of a crayon. The real paint formula has superior marking performance on oily, icy, wet, dry or cold surfaces and is weather- and UV-resistant. This PAINTSTIK® works on rough, rusty, smooth, or dirty surfaces.

PART NR.	DESCRIPTION
22540	PAINTSTIK® ORIGINAL B x72 : ■ x36 (3 boxes) + ■ x36 (3 boxes)

READY-TO-SELL WELD-RITER® WELDING MARKING TOOLS



Markal® Silver-Streak® and Red-Riter® Weld-Riter® Welding Pencils make torch-resistant marks that will not burn or rub off like soapstone. Ideal for fine line marking during metal layout and fabrication, these highly visible marks illuminate when cutting or welding.

Markal® WELD-RITER® SILVER-STREAK® Welding Marker metal markers are ideal when highly-visible, torch-resistant marks are required during metal layout and fabrication work. The unique reflective lead is more visible through a welder's filter plate and will not rub, burn or blow off like soapstone. Marks on all metal surfaces including oily or wet.

PART NR.	DESCRIPTION
22590	SILVER-STREAK® Round Mix x36 (18 blisters crayons 96006 + 18 blisters refills 96007)
22591	SILVER-STREAK® Round Refills x36 (36 blisters refills 96007)
22592	Welders Pencils Mix x288 (12 boxes SILVER-STREAK® + 12 boxes Red-Riter®)
22593	SILVER-STREAK® Welders Pencils x288 (24 boxes)
22594	WELD-RITER® Mix x168 (12 blisters crayons 96006 + 12 blisters refills 96007 + 72 Welders Pencils SILVER-STREAK® (6 boxes) + 72 Welders Pencils RED-RITER® (6 boxes))

READY-TO-SELL TRADES-MARKER®+ DRY AND DRY 2-IN-1



TRADES-MARKER®+ DRY and DRY 2 in 1 are graphite clutch pencils with an extended fine tip. Fully designed in metal (TRADES-MARKER®+ DRY) or in sturdy plastic (TRADES-MARKER®+ DRY 2 in 1), both holders incorporate a convenient sharpener and a clip. The TRADES-MARKER®+ DRY 2 in 1's removable triangular cap design ensures a good handling for precise marking even with gloves. Both holders can be used with color leads for bright and dark surfaces, or with welding refills featuring Silver Streak® and Red Riter® leads.

PART NR.	DESCRIPTION
22600	TRADES-MARKER®+ Dry Construction x150 (30 holders + ■ ■ ■ x40 refills MIX + ■ x20 refills (graphite) + ■ x20 refills + ■ x20 refills + ■ x20 refills)
22601	TRADES-MARKER®+ Dry 2 in 1 Construction x140 (20 holders + ■ ■ ■ x40 refills MIX + ■ x20 refills (graphite) + ■ x20 refills + ■ x20 refills + ■ x20 refills)

READY-TO-SELL PAINT-RITER® INDUSTRY MARKER SL.100



PAINT-RITER® Industry Marker SL.100 is a xylene-free, low-odor fast-drying liquid paint marker that provides long-lasting marks for almost any surface. The 15 opaque, bright colors are weather- and UV-resistant for excellent mark identification.

PART NR.	DESCRIPTION
22550	PAINT-RITER® Industry Marker SL100 x96 : ■ x24 (2 boxes) + ■ x24 (2 boxes) + ■ x24 (2 boxes) + ■ x24 (2 boxes)
22551	PAINT-RITER® Industry Marker SL100 x96 : ■ x48 (4 boxes) + ■ x48 (4 boxes)

READY-TO-SELL PAINT-RITER®+ OILY SURFACE OR VALVE ACTION®



PAINT-RITER®+ Oily Surface HP is a liquid paint marker developed for superior marking performance on oily and greasy surfaces. The high performance paint penetrates through oils and greases to dry quickly and leave a bold, permanent mark that is wear-, weather-, and fade-resistant. PAINT-RITER® Valve Action® Paint Marker is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

PART NR.	DESCRIPTION
22560	PAINT-RITER®+ Oily Surface HP x48 : ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box)
22561	PAINT-RITER®+ Oily Surface HP x48 : ■ x24 (2 boxes) + ■ x24 (2 boxes)
22570	PAINT-RITER® Valve Action x48 : ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box) + ■ x12 (1 box)
22571	PAINT-RITER® Valve Action x48 : ■ x24 (2 boxes) + ■ x24 (2 boxes)
22572	PAINT-RITER® Product Mix (Valve Action & Oily Surface HP) x48 : ■ x12 Valve Action (1 box) + ■ x12 Valve Action (1 box) + ■ x12 Oily Surface HP (1 box) + ■ x12 Oily Surface HP (1 box)

READY-TO-SELL MARKPAINT*



MARKPAINT is a high quality permanent paint marker. Paint offers opaque and glossy marks on most of light or dark surfaces. Perfect for indoor or outdoor uses, the paint is weatherproof. Marks don't fade for long-lasting results. It doesn't contain xylene or toluene protecting user health.

PART NR.	DESCRIPTION
22580	MARKPAINT x120 : ■ ■ ■ x36 (3 boxes) + ■ x36 (3 boxes) + ■ x24 (2 boxes) + ■ x24 (2 boxes)
22581	MARKPAINT x120 : ■ x48 (4 boxes) + ■ x48 (4 boxes) + ■ x12 (1 box) + ■ x12 (1 box)

*Only available outside E.U.

STAND-UP & COUNTER DISPLAYS

OPTIMIZE YOUR FLOOR SPACE WITH 3 NEW DISPLAYS

Lately, MARKAL® has been developing a whole range of Retail-Packs and Ready-to-sell solutions : a cherry-picked selection of best-selling products, packed in visually attractive packs.



THE RETAIL-PACKS & READY-TO-SELL SOLUTIONS

The **Retail-Packs** and **Ready-to-sell** solutions from MARKAL® represent a valuable opportunity to sell consumable products to professionals that often impulsively buy that kind of products.

By displaying them at a strategic place in your selling point, you'll see the sale for the MARKAL® industrial marking product increase drastically.

THE DISPLAYS

Displaying them side by side might broaden your customers' knowledge for the MARKAL® product range and increase the sales on each one of the MARKAL® products that you offer. That led us to developing 3 types of display, making it possible for our distributors to increase their product offer by only using under 1m² floor-space.

- a custom-packed **Ready-to-sell display** for displaying 12 Ready-to-sell packagings — each one of them can hold up to 288 products.
High 192cm x Deep 33,7cm x Wide 67,8cm
- a custom-packed **Retail-Packs display** offering up to 25 different positions to hang our wide range of Retail-Packs.
High 173,9cm x Deep 37,5cm x Wide 45,8cm
- a custom-packed **Counter Retail-Packs display** : perfectly sized for displaying on your counter or any smaller surface available — the ideal solution in small settings.
High 73,5cm x Deep 29,6cm x Wide 45,2cm



RETAIL-PACKS STAND-UP DISPLAY

RETAIL-PACKS DISPLAY

The Retail-Packs Stand-Up Display is offered in 2 settings, making it simple for you to get the best assortment of products. However, any combination of products is possible, just ask your Regional Sales Manager to custom design it to your exact needs.

The **WIDE RANGE** setting offers our best-selling general-marking products for all kind of industries, from construction to welding ; The **INDUSTRY RANGE** setting focuses on more specific-uses products that we know are appreciated in the industrial sector.



EASY TO MOUNT !



PART NR.	DESCRIPTION
22705	Retail-Packs Wide Range Display
22706	Retail-Packs Industry Range Display

Each display contains the following product references. In brackets, the number of products per peg.

WIDE RANGE RETAIL-PACKS DISPLAY



WIDE RANGE

RETAIL-PACKS

96264 (x9)	
22225 (x9)	22225 (x9)
22226 (x9)	22226 (x9)
95301 (x9)	95301 (x9)
22272 (x9)	22223 (x9)
22273 (x9)	22257 (x9)

44092124 (x9)	
44092224 (x9)	
44010100 (x9)	
44010200 (x9)	

22253 (x9)	22253 (x9)
	22254 (x9)
	22238 (x11)

22229 (x11)	22229 (x11)
22231 (x11)	22231 (x11)
22232 (x11)	22232 (x11)
22350 (x9)	22236 (x11)

	22237 (x11)
	22349 (x9)
	22351 (x9)

22243 (x9)	22244 (x9)
	22248 (x9)
	22239 (x11)

22240 (x11)	22240 (x11)
22242 (x12)	22241 (x12)
22252 (x12)	22251 (x12)
22271 (x12)	22271 (x12)

96281 (x9)	96281 (x9)
22227 (x9)	22227 (x9)
22219 (x9)	22219 (x9)
22221 (x9)	
22222 (x9)	

TOTAL = 242

READY-TO-SELL

22500 (x1)	22500 (x1)
22531 (x1)	22535 (x1)

TOTAL = 250

INDUSTRY RANGE RETAIL-PACKS DISPLAY



RETAIL-PACKS COUNTER DISPLAY

RETAIL-PACKS COUNTER DISPLAY

The Retail-Packs Counter Display is of the same design as the Retail-Packs Display, but in smaller proportions. It can hold 10 positions of products, and we chose to propose it in 2 settings as well, making it simple for you to get the best possible assortment of products. However, any combination of products is possible, just ask your Regional Sales Manager to custom design it to your exact needs.

The **TRADES-MARKER®+ Dry** setting offers all of our Deep-hole markers (Dry and Dry 2-in-1) and their refills gathered in one place ; The **WIDE RANGE** setting offers all of our general marking products within ink, liquid paint, solid paint and general purpose marking tools that we know are appreciated in the industrial sector.



EASY TO MOUNT !

PART NR.	DESCRIPTION
22703	COUNTER Retail-Packs Wide Range Display
22704	COUNTER Retail-Packs Trades-Marker®+ Dry Display

READY-TO-SELL DISPLAY

READY-TO-SELL DISPLAY

The Ready-to-sell Stand-Up Display has 4 shelves on which you can display 3 Ready-to-sell packagings per shelf. We also picked 2 assortments of Ready-to-sell boxes in order to create 2 consistent displays. However, any combination of products is possible, just ask your Regional Sales Manager to custom design it to your exact needs.

The **WIDE RANGE** setting offers our best-selling general-marking products for all kind of industries, from construction to welding ; The **INDUSTRY RANGE** setting focuses on more specific-uses products that we know are appreciated in the industrial sector.



EASY TO MOUNT !

PART NR.	DESCRIPTION
22707	READY-TO-SELL Wide Range Display
22708	READY-TO-SELL Industry Range Display



TRADES-MARKER®+ DRY COUNTER RETAIL-PACKS DISPLAY

Each display contains the following product references. In brackets, the number of products per peg.



TRADES-MARKER®+ DRY	WIDE RANGE
96264 (x9)	95301 (x9)
95301 (x9)	
22225 (x9)	
22226 (x9)	22226 (x9)
22223 (x9)	
22224 (x9)	
22257 (x9)	
22227 (x9)	
22272 (x9)	
22273 (x9)	
	TRADES-MARKER®+ DRY
	22240 (11)
	22242 (12)
DURA-INK®	22271 (12)
	22230(11)
PAINT-RITER® & PAINT-RITER®+	22350 (9)
	22253 (9)
PAINTSTIK® & QUIKSTIK®	22238 (11)
WELD RITER®	22219 (x9)
TOTAL = 90	TOTAL = 102

WIDE RANGE COUNTER RETAIL-PACKS DISPLAY



READY-TO-SELL WIDE RANGE DISPLAY



CONTAINS

• Stylmark	22500 & 22501	• DURA-INK® Fine 15	22512
• B® PAINTSTIK®	22540	• DURA-INK® Product Mix	22517
• QUIKSTIK®	22531 & 22534	• PAINT-RITER® Industry Marker	22550
• TRADES-MARKER®+ Dry 2 in 1	22601	• PAINT-RITER® Valve Action & Oily Surface	22572
• DURA-INK® Dual Tip & Needle Nose	22525	• WELD-RITER® Welders Pencils	22592

READY-TO-SELL INDUSTRY RANGE DISPLAY



CONTAINS

• Stylmark	22500 & 22501	• DURA-INK® Fine 15	22512
• B® PAINTSTIK®	22540	• DURA-INK® Product Mix	22518
• QUIKSTIK®	22535	• PAINT-RITER® Industry Marker	22550
• TRADES-MARKER®+ Dry Mix	22600	• PAINT-RITER® Oily Surface	22560
• WELD-RITER® Welders Pencils	22594	• PAINT-RITER® Valve Action & Oily Surface	22572

DISPLAY

PAINT-RITER® INDUSTRY MARKER SL.100

PAINT-RITER® Industry Marker SL.100 is a xylene-free, low-odor fast-drying liquid paint marker that provides long-lasting marks for almost any surface. The 15 opaque, bright colors are weather- and UV-resistant for excellent mark identification.

PART NR.	DESCRIPTION
199001	□ x12 ■ x8 ■ x3 ■ x3 ■ x3 ■ x3



PAINT-RITER® VALVE ACTION® PAINT MARKER

PAINT-RITER® Valve Action® Paint Marker is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

PART NR.	DESCRIPTION
199002	□ x10 ■ x8 ■ x2 ■ x2 ■ x2 ■ x2 ■ x2 ■ x2 ■ x2 ■ x2



PAINT-RITER®+ Oily Surface HP

PAINT-RITER®+ Oily Surface HP is a liquid paint marker developed for superior marking performance on oily and greasy surfaces. The high performance paint penetrates through oils and greases to dry quickly and leave a bold, permanent mark.



PART NR.	DESCRIPTION
199005	□ x12 ■ x8 ■ x3 ■ x3 ■ x3 ■ x3



SECURITY CHECK ORIGINAL

SECURITY CHECK Original provides a convenient visual method for identification of vibratory loosening or tampering in nuts, bolts, fasteners, and assemblies. High visibility paint mark becomes a hard film that breaks easily. Ideal for quality control and warranty work. Safe on most surfaces, adheres perfectly to metal. Safe for the user, doesn't contain Xylene.

PART NR.	DESCRIPTION
199013	□ x3 ■ x3 ■ x2 ■ x1 ■ x1 ■ x1 ■ x1



STYLMARK ORIGINAL

MARKAL® Stylmark Original is a metal-ball tip marker for marking most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risks.

PART NR.	DESCRIPTION
199014	□ x5 ■ x5 ■ x2



PAINTSTIK® ORIGINAL B

As MARKAL®'s most versatile and economic marker, the PAINTSTIK® Original B® solid paint marker combines the durability of paint in the convenience of a crayon. The real paint formula has superior marking performance on oily, icy, wet, dry or cold surfaces and is weather- and UV-resistant. This PAINTSTIK® works on rough, rusty, smooth, or dirty surfaces.

PART NR.	DESCRIPTION
199012	□ x12 ■ x6 ■ x2 ■ x2 ■ x2 ■ x2 ■ x1



QUIK STIK® ALL PURPOSE MINI

The Quik Stik® All Purpose Mini is a compact solid paint marker in a convenient twist-up, plastic holder that is ideal for finer line marking on smooth or rough surfaces. This smaller version of the MARKAL® Quik Stik® All Purpose stores easily in a pocket or tool belt and easily advances with the turn of a knob, allowing for full use of the marker. The high-performance paint dries quickly to leave bold, permanent marks on most surfaces.

PART NR.	DESCRIPTION
199003	□ x12 ■ x12 ■ x10 ■ x10



DURA-INK® NEEDLE NOSE 5

The DURA-INK® Needle Nose 5 is a permanent ink marker that uses an extended micro tip for precision marking needs and is ideal to use through drill holes, mounting brackets, or in any hard to reach area. The industrial-strength ink dries quickly on almost any surface and is wear- and weather-resistant.

PART NR.	DESCRIPTION
199010	■ x24 ■ x12 ■ x8



DURA-INK® FINE 15

Ideal for layout work and parts identification, the DURA-INK® Fine 15 permanent ink marker has a fine bullet tip for precise marking. The wear-resistant, fast-drying ink and durable tip and barrel makes this marker ideal for industrial environments.

PART NR.	DESCRIPTION
199006	■ x20 ■ x8 ■ x8 ■ x4 ■ x4



DURA-INK® RETRACTABLE 20

The DURA-INK® Retractable 20 permanent ink marker uses a one-handed, push-button for easy opening and closing. The convenient capless feature makes it ideal for use in tight work spaces and eliminates mess or lost caps.

PART NR.	DESCRIPTION
199007	■ x20 ■ x12



DURA-INK® CHISEL 55

For flexible, finer line marking, the DURA-INK® Chisel 55 features a medium chisel tip to produce both fine and broad permanent marks. This economical, durable plastic barrel withstands tough industrial uses and is the alternative to the high-cost metal barrels.

PART NR.	DESCRIPTION
199008	■ x10 ■ x5 ■ x5 ■ x5



DURA-INK® BULLET TIP 60

The DURA-INK® Bullet Tip 60 is a permanent ink marker with a durable, medium bullet tip to provide bold, clean marks. Ideal for industrial use, the ergonomic plastic barrel is easy to use even with work gloves.

PART NR.	DESCRIPTION
199009	■ x10 ■ x5 ■ x5 ■ x5



DURA-INK® DUAL TIP

Experience the versatility of DURA-INK® Dual Tip permanent ink markers and conveniently create both fine and micro-sized marks with one marker instead of two. Versatile, two tip design can tackle jobs both big and small, and the industrial-strength ink writes on most any surface - allowing for faster, more efficient marking in a variety of applications.

PART NR.	DESCRIPTION
199016	■ x33 ■ x11



TRADES-MARKER®+ DRY — General



This display features graphite and colored refills for bright and dark surfaces. The graphite and colored refills can write or mark on all types of surfaces and materials (dusty, rough, smooth, greasy, wet, dark, etc.)

PART NR.	DESCRIPTION
96261	20x (1 TRADES-MARKER®+ Dry holder) + 10x (■ 6 graphite refills) + 10x (■ 6 mix refills ■ ■ ■)



TRADES-MARKER®+ DRY — Welding



This display features Silver-Streak® and Red-Riter® welding refills for TRADES-MARKER® Dry. Those welding refills make torch-resistant marks that will not burn or rub off like soapstone. Ideal for fine line marking during metal layout and fabrication, these highly visible marks illuminate when cutting or welding.

PART NR.	DESCRIPTION
96269	20x (1 TRADES-MARKER®+ Dry holder) + 10x (■ 6 Silver-Streak® refills ■) + 10x (■ 6 Red-Riter® refills ■)



TRADES-MARKER®+ DRY — Mix

This display features both the graphite and colored refills for general use as well as Silver-Streak® and Red-Riter® refills for welding-related uses.

PART NR.	DESCRIPTION
96280	20x (1 TRADES-MARKER®+ Dry holder) + 3x (■ 6 graphite refills ■) + 3x (■ 6 mix refills ■ ■ ■) + 2x (■ 6 red refills ■) + 2x (■ 6 yellow refills ■) + 5x (■ 6 Silver-Streak® refills ■) + 5x (■ 6 Red-Riter® refills ■)



TRADES-MARKER®+ DRY 2 in 1

TRADES-MARKER®+ Dry 2 in 1 is a convenient refillable marker with an extended fine tip. Its removable triangular cap design ensures a good handling for precise marking even with gloves. When the cap is off, a 45mm full metal fine tip perfect for deep hole marking is revealed. It incorporates a convenient sharpener and a clip. It can be used with color leads for bright and dark surfaces, or with Welding refills featuring Silver Streak® and Red Riter® leads.

PART NR.	DESCRIPTION
95302	20x (1 TRADES-MARKER®+ Dry 2 in 1 holder) + 4x (■ 6x graphite refills ■) + 4x (■ 6x mix refills ■ ■ ■) + + 4x (■ 6x red refills ■) + 4x (■ 6x yellow refills ■) + 4x (■ 6x white refills ■)



OIL MARKER

Oil Marker is a all purpose lubricant and cleaner engineered with a convenient marker pen delivery system perfect for small parts. Useful for dissolving rusted screws, protecting electronic contacts, removing adhesives residues...

PART NR.	DESCRIPTION
199011	□ x32



As manufacturer, we cannot control the conditions under which our products are being used or the many factors that have an effect on the use and application of our products. We disclaim liability for any damages caused by using our products. Please always perform compatibility tests to your application/material demands.



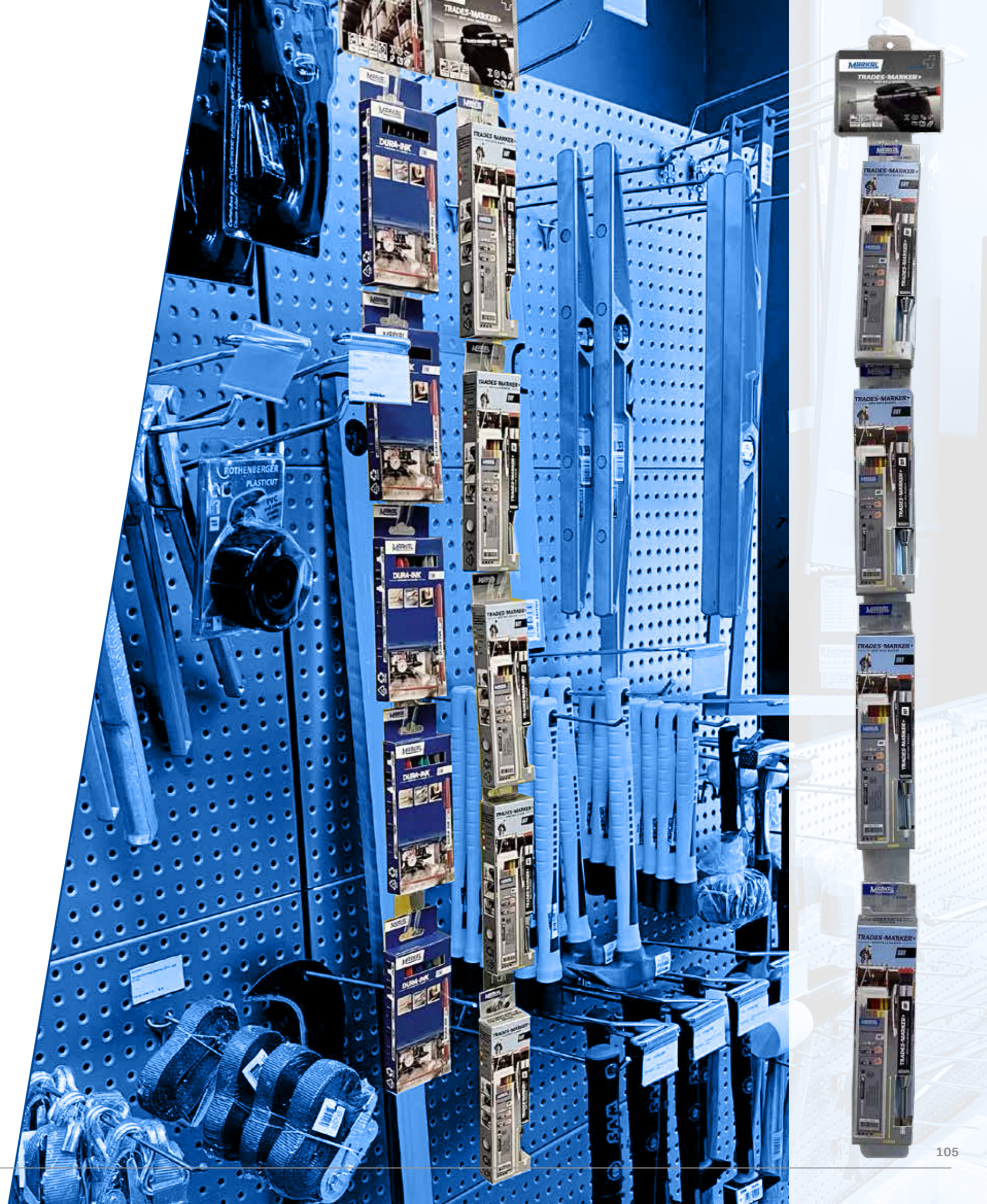
CROSS MERCHANDISING

INTRODUCING OUR NEW CROSS MERCHANDISING CLIP STRIPS AS A NEW WAY TO DISPLAY OUR PRODUCTS AT YOUR SALES POINT.

Thanks to the customized artworks and the wide range of positions, this way of displaying products is extremely adaptable, takes very little place, can be hung at many different places, even where space is scarce.

- Adding our new clip strips to your sales point will give it a new visual dynamic and is likely to create a new, spontaneous opportunity of sale.
- For each 12 Retail-Packs that you buy, you'll get one of our new clip strips for free.
- Shall you be interested in getting more of them, you can just order them using their part numbers as follows :

PART NR.	DESCRIPTION	ARTWORK	PART NR.	DESCRIPTION	ARTWORK
22393	1x clip strip for TRADES-MARKER®+ Dry Construction		22390	1x clip strip for DURA-INK® Dual Tip	
22394	1x clip strip for TRADES-MARKER®+ Dry 2 in 1		22380	1x clip strip for PAINT-RITER® Industry Marker SL.100	
22391	1x clip strip for Welders Pencils, SILVER-STREAK® Round or TRADES-MARKER®+ Dry Welding		22381	1x clip strip for PAINT-RITER® Water Erase SL.130	
22384	1x clip strip for DURA-INK® Needle Nose 5		22382	1x clip strip for PAINT-RITER® Oily Surface HP	
22385	1x clip strip for DURA-INK® Fine 15		22383	1x clip strip for PAINT-RITER® Valve Action®	
22386	1x clip strip for DURA-INK® Retractable 20		22379	1x clip strip for PAINTSTIK® Original B	
22387	1x clip strip for DURA-INK® Metal Barrel Chisel 25		22392	1x clip strip for Quik Stik® All Purpose Mini	
22388	1x clip strip for DURA-INK® Chisel 55		22399	1x clip strip for Elec'Pack	
22389	1x clip strip for DURA-INK® Bullet Tip 60		22400	1x clip strip for Plumb'Pack	



MARKAL[®]

THE MARK OF WORK[™]



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