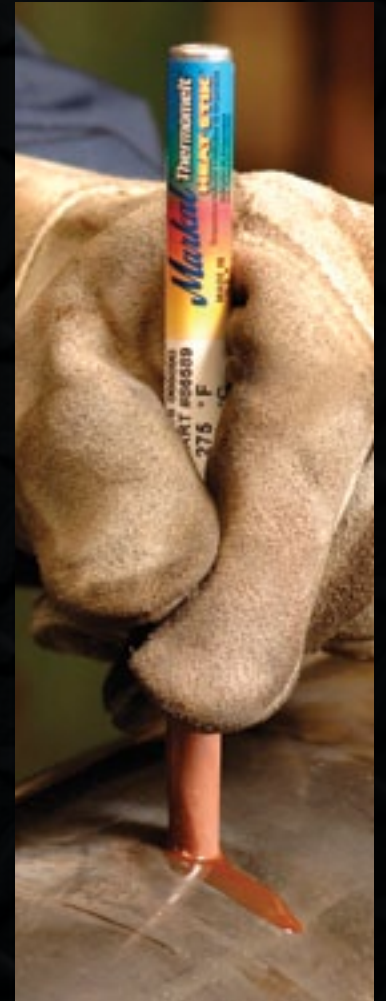


Markal®



HIGH PERFORMANCE INDUSTRIAL MARKERS



LA-CO INDUSTRIES, INC.

LA-CO Industries, Inc. is a family-owned global manufacturing company specializing in the manufacturing of industrial hand-held markers, temperature indicators, plumbing chemicals, and livestock identification products. Since 1934, we have taken pride in the design and manufacturing of high quality, performance-based products for our customers' unique applications.

Our Markal® brand is the global leader in high-performance, hand-held industrial marking products. From our manufacturing locations in Elk Grove Village, IL, USA and Blyes, France, we produce and sell high-performance industrial markers for the following industries: metal production, shipbuilding, automotive assembly, welding and metal fabrication, building construction, lumber/timber processing, and many more.

For over 78 years, we have been proud to support the hardworking contractors that build the world's great bridges, ships, automobiles, homes, office towers, power plants, and many other engineering marvels with Markal products.

Today, Markal-branded products are sold around the world in over 60 countries. This broad network of long-term business partners provides our customers the highest level of service.

Our Mission

"We actively listen to our customers, providing them with quality, high-performance products around the world. We are ethically and environmentally responsible and support the growth and well-being of our employees."



Made in America

For over 78 years, Markal has been proudly manufacturing and supplying the industry's largest line of industrial grade markers. Products listed with this symbol are made in the USA with the highest attention to quality and dependability.

Green Product

Products designated with this symbol are part of our Green Solutions for Sustainability product selection. These products meet many or all specifications for reducing health and safety concerns, produced using sustainable and/or recycled materials, are low in VOC levels, and are RoHS compliant.

Low VOC

A Volatile Organic Compound (VOC) is a type of potentially harmful gas emitted by certain solids or liquids, hurting indoor air quality. Products with this symbol emit less amounts of harmful VOC's than other industrial paint markers.

Low Corrosion Colors

Ideal for stainless steel and alloy metals, our Low Corrosion markers have low levels of chlorides, halogens, and sulfur to protect against unwanted degradation, pitting, or general weakening of materials. For more information see our Low Corrosion Marker Guide.



4 Liquid Paint Markers

- | | | |
|-----------------------------|---------------------------|-----------------------|
| 5 Valve Action® | 7 PRO-LINE WP | 9 PRO-MAX® |
| 6 Valve Action Ultra Violet | 8 PRO-LINE XT | 10 Stylmark® |
| 6 Certified Valve Action | 8 PRO-WASH® | 10 BALL PAINT MARKER® |
| 7 PRO-LINE® HP | 9 PRO-LINE Fine and Micro | 11 Replacement Tips |

12 Ink Markers

- | | | |
|-----------------|----------------|------------------------------------|
| 13 DURA-INK® 15 | 13 DURA-INK 55 | 14 DURA-INK 200 |
| 13 DURA-INK 20 | 14 DURA-INK 60 | 15 DURA-INK Dry Erase |
| 13 DURA-INK 25 | 14 DURA-INK 80 | 15 ALL-WEATHER® Plastic Tag Marker |

16 Solid Paint Markers

- | | | |
|-------------------------------------|---------------------------------|--------------------------------|
| 17 B® / B-E® | 20 O-10® / P® / WS-3/8® | 22 Quik Stik® / Quik Stik Mini |
| 18 B-L® / BL-W® / C® / E® | 21 Lacquer-Stik® / TYRE MARQUE® | 23 Holders: 101 / 102 / 107 |
| 19 F® / FAST DRY® / M® / M-10® / N® | 21 ZEPHYR® | |

24 Solid Paint Markers-Hot Surface

- | | |
|-------------------------------|------------------------------|
| 25 H® / HT® / HT-34® / HT-40® | 27 Holders: 100 / 102K / 111 |
| 26 HT-75® / J® / K® / X-5® | |
| 27 PK® | |

28 Welding Markers

- | | |
|----------------------------------|--------------|
| 29 Silver-Streak® Welders Pencil | 30 Red-Riter |
| 29 Red-Riter® Welders Pencil | 30 Soapstone |
| 29 Silver-Streak | |

31 Temperature Indicators

- | |
|-------------------------|
| 32 THERMOMELT® |
| 33 THERMOMELT Celsius |
| 33 Certified THERMOMELT |

34 Lumber / Timber Markers

- | | | |
|----------------------|------------------|----------------------------|
| 35 Lumber Crayon 500 | 36 OPTIMARK® | 39 Holders: Prograde / 106 |
| 35 Lumber Crayon 200 | 37 SCAN-IT® Plus | 39 Holders: 109 Peterson |
| 36 Pro-EX® | 38 ULTRASCAN® | 39 Holders: 112 Peterson |

40 General Purpose Markers

- | | |
|---------------------|----------------------|
| 41 TRADES-MARKER® | 42 Carpenters Pencil |
| 41 TRADES-MARKER WS | 42 Railroad Chalk |
| 42 China Marker | |

43 LA-CO® MRO and PVF Chemicals

- | | | |
|--------------------------|------------------------------|----------------------|
| 44 Slic-tite® Paste | 45 Regular Flux | 47 Rust Buster® |
| 44 LEAK-TITE® Blue | 45 Cool Gel® | 47 Zoom Spout® Oiler |
| 45 Slic-tite Thread Tape | 46 EZ BREAK® Copper / Nickel | 47 EPOXY-STIK® |
| 45 Pipe Thread Tape | 47 PIERCE® | 47 Duct Tape |

LIQUID PAINT MARKERS

VERSATILE AND RELIABLE

For over 78 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.

	VALVE ACTION®	CERTIFIED VALVE ACTION	PRO-LINE® HP	PRO-LINE WP	PRO-LINE XT	PRO-WASH®	PRO-LINE FINE/MICRO	PRO-MAX®	STYLMARK®	BALL PAINT MARKER®
PERMANENT										
Metals										
Clean, Dry	●	●	●	●	●		●	●	●	●
Rough					●				●	●
Rusty					●				●	●
Oily			●							
Wet				●						
Low Corrosion	●	●	●	●	●					●
Nuclear & Military Specifications		●								
Plastics										
Clean, Dry	●	●	●	●	●		●	●	●	●
Rough					●				●	●
Oily			●							
Wet				●						
Rubber										
Clean, Dry	●		●	●	●		●	●	●	●
Rough					●				●	●
Oily			●							
Wet				●					●	●
Glass, Ceramic										
Clean, Dry	●		●	●	●		●	●	●	●
Rough					●				●	●
Wet				●					●	●
Brick, Stone										
Clean, Dry	●		●	●	●		●	●	●	●
Rough					●				●	●
Wet				●					●	●
Cloth, Fabric										
Clean, Dry	●						●	●	●	●
Painted Surface										
Clean, Dry	●		●	●	●		●	●		
Rough					●					
Oily			●							
Wet				●						
Tile, Polished Stone										
Clean, Dry	●		●	●	●		●	●		
Wet				●						
REMOVABLE										
Non-porous Surfaces										
Clean, Dry						●				

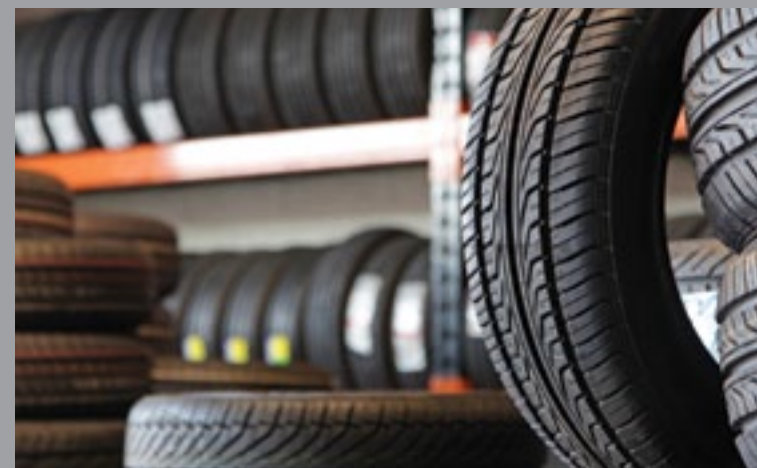
● Preferred Selection ● Secondary Selection

Valve Action®

Valve Action 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.

Features & Benefits

- 14 standard and 4 fluorescent colors for improved mark identification, quality control, and parts inspection
- Fast-drying, permanent paint for immediate handling, reduces work downtime
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Dura-Nib medium bullet tip resists wear to provide long marking life



Industry Uses

- Industrial manufacturing
- Automotive and other transportation
- Automotive assembly
- Metal fabrication
- Construction
- Welding
- Shipping supply
- Textile
- Aviation and aerospace

Surface Uses

- Steel and iron
- Plastic
- Glass
- Pipes and tubes
- Rubber and tires
- Cloth, fabric (textiles)

Details 48 Case

- Mark Size 1/8" (3mm)
- 96809 ● Brown*
 - 96817 ● Purple*
 - 96820 ● White*
 - 96821 ● Yellow*
 - 96822 ● Red*
 - 96823 ● Black*
 - 96824 ● Orange*
 - 96825 ● Blue*
 - 96826 ● Green*
 - 96827 ● Gold*
 - 96828 ● Light Green*
 - 96830 ● Pink*
 - 96832 ● Aluminum*
 - 96835 ● Light Blue*
 - 97050 ● Fluorescent Yellow
 - 97051 ● Fluorescent Green
 - 97052 ● Fluorescent Orange
 - 97053 ● Fluorescent Pink

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





Details 48 Case
 Mark Size 1/8" (3mm)
 97054 ● UV Visible

Valve Action® Ultra Violet



The UV-visible Valve Action 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.

Features & Benefits

- Makes clear, invisible marks that illuminate bright blue when viewed with an ultraviolet or black light
- Invisible paint formula is ideal for security, theft-prevention, and quality control
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Fast drying formula reduces smearing
- Dura-Nib medium bullet tip resists wear to provide long marking life
- Durable metal barrel and clip cap reduce breakage and stores easily in pocket
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Industrial manufacturing
 Quality control
 Security and theft prevention
 Construction

Surface Uses

Metal
 Plastics
 Glass
 Pipes and tubes
 Ceramics
 Tools and equipment



Details 48 Case
 Mark Size 1/8" (3mm)
 96880 ● White*
 96881 ● Yellow*
 96882 ● Red*
 96883 ● Black*

Certified Valve Action



The Certified Valve Action 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.

Features & Benefits

- 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:
 - 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
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Fast drying formula leaves wear-, weather- and UV-resistant marks
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Nuclear-power generation
 Other power generation facilities
 Oil and gas
 Military
 Welding
 Aviation and aerospace

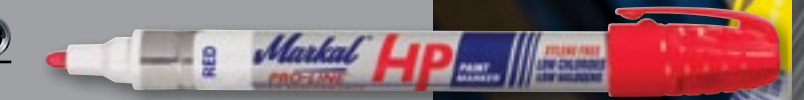
Surface Uses

Stainless Steel
 Alloy and superalloy metals

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



PRO-LINE® HP



PRO-LINE 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.

Features & Benefits

- Unique paint formula resists spreading and dries quickly through oily surfaces to leave precise, permanent marks
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Durable metal barrel and nib reduce breakage for longer marking life
- Easy-to-grip clip-cap allows for convenient pocket storage
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Metal fabrication
 Automotive and other transportation
 Industrial manufacturing
 Steel mills and warehouses
 Oil and gas
 Construction
 Aviation and aerospace

Surface Uses

Steel and iron
 Aluminum
 Pipes and tubes
 Plastics
 Rubber/Tires

Details 48 Case
 Mark Size 1/8" (3mm)

- 96960 ● White*
- 96961 ● Yellow*
- 96962 ● Red*
- 96963 ● Black*
- 96964 ● Orange
- 96965 ● Blue*
- 96966 ● Green
- 96967 ● Silver*
- 96970 ● Light Green
- 96971 ● Light Blue*
- 96972 ● Gold
- 96973 ● Pink*
- 96974 ● Purple
- 96975 ● Brown*

PRO-LINE WP



The PRO-LINE WP 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.

Features & Benefits

- Specially formulated paint resists running or spreading on wet or damp surfaces to leave permanent, highly-visible marks
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Low in V.O.C.'s and will not contribute to ground-level ozone
- Metal barrel and fiber tip provide durability for longer marking life
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Machining shops
 Stamping works
 Plasma cutting
 Metal fabrication
 Ship building and repair
 Oil and gas
 High-humidity climates
 Aviation and aerospace

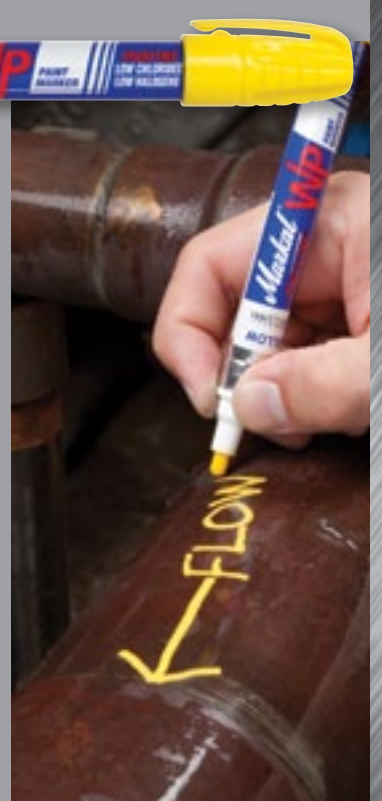
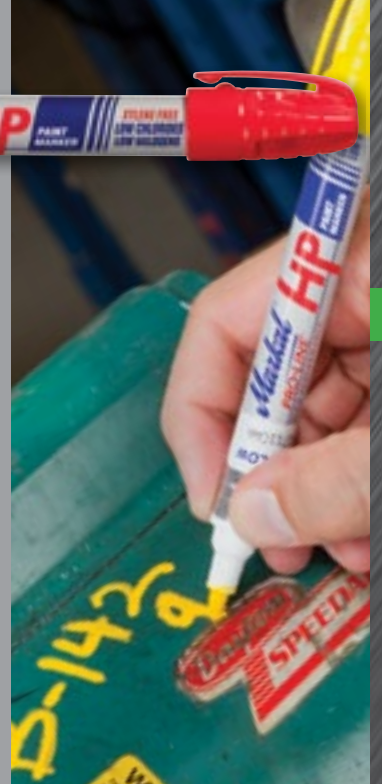
Surface Uses

Steel and iron
 Aluminum
 Pipes and tubes
 Plastics
 Glass
 Rubber
 Ceramic

Details 48 Case
 Mark Size 1/8" (3mm)

- 96930 ● White*
- 96931 ● Yellow*
- 96932 ● Red*
- 96933 ● Black*
- 96934 ● Blue*
- 96935 ● Green*
- 96936 ● Orange
- 96937 ● Silver*

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





PRO-LINE® XT



PRO-LINE XT 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.

Details 48 Case Mark Size 1/8" (3mm)

- 97250 ● White*
- 97251 ● Yellow*
- 97252 ● Red*
- 97253 ● Black*
- 97254 ● Blue*
- 97255 ● Green*
- 97256 ● Orange*
- 97257 ○ Silver*
- 97258 ● Light Green*
- 97259 ● Light Blue*
- 97260 ● Gold
- 97261 ● Pink*
- 97262 ● Purple
- 97263 ● Brown*

Features & Benefits

- 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
- Available in 14 bold, fast-drying colors for immediate handling and reduced downtime
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPS HAPS, and SARA 313 concerns in the U.S.A.
- Durable metal barrel and clip-cap reduce breakage and store easily in pocket
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Steel mills and warehouses
Metal fabrication
Oil and gas
Automotive
Ship building and repair
Construction
Metal production

Surface Uses

Rusty metal
Steel and iron
Pipes and tubes
Plates
Non-ferrous metals
Tires/rubber
Plastic
Glass and ceramic

PRO-WASH®



PRO-WASH W and D 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 PRO-WASH ideal for quality control, assembly operations, and part defect identification.

Details 48 Case Mark Size 1/8" (3mm)

- PRO-WASH W**
- 97030 ● White
 - 97031 ● Yellow
 - 97032 ● Red
 - 97033 ● Black
 - 97035 ● Blue
 - 97036 ● Green
- PRO-WASH D**
- 97010 ● White
 - 97011 ● Yellow
 - 97012 ● Red
 - 97013 ● Black
 - 97015 ● Blue
 - 97016 ● Green

Features & Benefits

- Fast-drying paint easily removes leaving surfaces free of mark ghosting or paint residue
- PRO-WASH W marks can be removed simply and quickly with water
- PRO-WASH D marks can be removed with detergent solutions that have a pH level of 10 or above
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- High-strength, light-weight plastic barrel designed for industrial use
- Marking range: 0°F to 150°F (-18°C to 66°C)

Industry Uses

Quality control
Automotive aftermarket
Automotive assembly
Construction
Metal fabrication

Surface Uses

Steel and iron
Glass
Plastic
Pipes and tubes

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

markal.com



PRO-LINE® Fine and Micro

The PRO-LINE Fine and 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.

Features & Benefits

- Available in fine and micro tip sizes for precise, permanent paint marking
- High-strength, lightweight barrel designed for industrial-grade use
- Self-storing cap with clip protects tip for longer life and stores easily in pocket
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Marking range: 0°F to 150°F (-18°C to 66°C)

Industry Uses

Industrial manufacturing
Welding
Automotive and other transportation
Metal fabrication
Textile

Surface Uses

Steel and iron
Cloth, fabric (textiles)
Plastics
Glass
Pipes and tubes



Details 48 Case Fine

- Mark Size 1/16" (1.5mm)
- 96871 ● White
 - 96872 ● Yellow
 - 96873 ● Black
 - 96874 ● Red
 - 96875 ● Blue
 - 96876 ● Green
 - 96877 ● Orange
 - 96879 ● Light Green

Micro

- Mark Size 1/32" (.79mm)
- 96888 ● White
 - 96889 ● Yellow
 - 96890 ● Black
 - 96891 ● Red

PRO-MAX®

PRO-MAX 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.

Features & Benefits

- Extra large tip ideal for signage or safety marking where immediate identification is required
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Valve-actuated tip releases paint on demand for smooth, continuous use
- Durable barrel resists breakage and self-storing cap fits snugly on end when not in use
- Marking range: 0°F to 150°F (-18°C to 66°C)

Industry Uses

Industrial manufacturing
Automotive and other transportation
Signage
Shipping
Construction

Surface Uses

Steel and Iron
Plastic
Cardboard
Glass
Pipes and tubes

Details 24 Case

- Mark Size 9/16" (14.2mm)
- 90900 ● White
 - 90901 ● Yellow
 - 90902 ● Red
 - 90903 ● Black
 - 90904 ● Orange
 - 90905 ● Blue

markal.com





- Details 48 Case**
 1/8" (3mm)
 96652 ● White*
 96653 ● Yellow
 96654 ● Red
 96655 ● Black
 96657 ● Blue
 96658 ● Green

Stylmark®



Markal® Stylmark 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.

Features & Benefits

- Durable steel ball tip marks with indelible paint on smooth or rough surfaces
- Steel ball tip is resistant to very rough surfaces for long marking life
- 6 bold, bright paint colors are weather-, water-, and UV-resistant
- Unique paint designed to not drip on vertical or overhead surfaces
- Marking range -4°F to 158°F (-20°C to 70°C)
- Mark temperature resistance: 392°F (200°C)
- Made in EU

Industry Uses

- Steel mills and warehouses
- Forge and casting foundries
- Ship building and repair
- Metal fabrication
- Metal production
- Construction
- Tire
- Welding

Surface Uses

- Steel and iron
- Concrete, stone
- Asphalt
- Masonry
- Plastic
- Rubber and tires
- Cloth, fabric (textiles)

BALL PAINT MARKER®



Markal BALL PAINT MARKER is a liquid paint marker using a durable metal-ball tip for writing on hard surfaces. Ideal for identifying fabricated steel and other rough surfaces that are stored in harsh environments, the squeeze bottle meters paint in a thick or thin line for long-lasting marks.

Features & Benefits

- Durable metal-ball tip resists wear and clogging for long-marking life on rough surfaces
- Non-drip paint formula allows for easy jobsite marking
- Industrial paint withstands harsh environments and weather conditions
- Plastic cap keeps tip clean between jobs
- Marking range -50°F to 150°F (-46°C to 66°C)

Industry Uses

- Steel mills and warehouses
- Forge and casting foundries
- Ship building and repair
- Metal fabrication
- Construction
- Metal production
- Aviation and aerospace

Surface Uses

- Steel and iron
- Pipes and tubes
- Concrete, stone
- Asphalt

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

markal.com



Marker Merchandisers

Perfect for showroom counters or on the shop floor, our most popular markers are available in additional unique packaging options.

Details 1 Case

Clip Strip Valve Action®

- 96800S ● White/1 Case 24 Markers
- 96801S ● Yellow/1 Case 24 Markers

Cylinder Display Valve Action

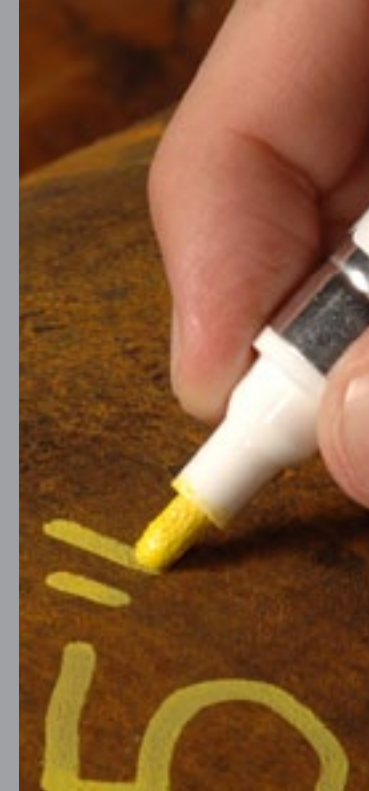
- 96080 ○ Assorted 10 ea. Black, White and Yellow
- 1 Case 30 Markers

Box Display Valve Action

- 96810 ● White/1 Case 48 Markers
- 96811 ● Yellow/1 Case 48 Markers
- 96819 ○ Assorted 8 ea. White and Yellow - 4 ea. Black and Red/1 Case 24 Markers



markal.com



INK MARKERS

IMMEDIATE MARK AND DRY

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.

DURA-INK® Permanent Ink Markers

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.

Durable and lightweight barrels

Lightweight enough to reduce hand fatigue, but large enough to be used comfortably even with work gloves, these impact-resistant barrels will hold up in 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 industrial grade ink is safe for use on almost any surface and is wear- and water-resistant.



Industry Uses

Metal fabrication
Construction
Automotive and other transportation
Shipping supply
Textile
Aviation and aerospace

Surface Uses

Metal
Cardboard
Pipes and tubes
Plastic
Glass
Lumber/timber
Cloth, fabric (textiles)

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

DURA-INK® 15 Fine Bullet Tip



Details 72 Case

96022 ● Red*
96023 ● Black
96025 ● Blue
96026 ● Green



DURA-INK 20 Retractable Fine Bullet Tip



Details 24 Case

96575 ● Black
96576 ● Red*



DURA-INK 25 Large Chisel Tip



Details 48 Case

96222 ● Red*
96223 ● Black



DURA-INK 55 Medium Chisel Tip



Details 48 Case

96528 ● Red*
96529 ● Black
96530 ● Blue
96531 ● Green





DURA-INK® 60
Medium
Bullet Tip



Details 48 Case

- 96535 ● Red*
- 96536 ● Black
- 96537 ● Blue
- 96538 ● Green



DURA-INK® 80
Valve-Actuated
Tapered Tip

Details 48 Case

- 96923 ● Black



DURA-INK® 200
Broad
Chisel Tip



Details 24 Case

- 96914 ● Green
- 96915 ● Blue
- 96916 ● Red*
- 96917 ● Black

Industry Uses

- Metal fabrication
- Construction
- Automotive and other transportation
- Shipping supply
- Textile
- Aviation and aerospace

Surface Uses

- Metal
- Cardboard
- Pipes and tubes
- Plastic
- Glass
- Lumber/timber
- Cloth, fabric (textiles)

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



Mark size: 1/8" (3mm)



Mark size: 1/8" (3mm)



Mark size: 3/8" to 5/8" (9.5mm to 16mm)



markal.com



DURA-INK® Dry Erase

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. The bullet tip provides highly-visible marks until time to be removed and will not spread or mush for longer marking life.

Features & Benefits

- Industrial-strength ink for temporary marking applications removes quickly and easily with dry rag, towel, or eraser
- Marks will not ghost or leave a residue once removed from most non-porous surfaces
- Durable nib will not spread or mush, and will not scratch painted surfaces
- Durable clip-cap and plastic barrel will resist unnecessary wear and breakage

Industry Uses

- Quality control
- Automotive
- Automotive aftermarket
- Steel mills and warehouses

Surface Uses

- Metal
- Plastic
- Glass
- Aluminum

Details 48 Case

- Mark Size 1/8" (3mm)
- 96570 ● Red
 - 96571 ● Black
 - 96572 ● Blue
 - 96573 ● Green



ALL-WEATHER® Plastic Tag Marker



A permanent ink marker engineered with a unique formula to etch into plastic surfaces and tags for long-lasting, highly-visible marks. The valve-actuated tip releases the wear-, weather- and UV-resistant ink on demand for smooth, continuous use.

Features & Benefits

- Unique ink formula etches into polyurethane plastic surfaces and tags for long-lasting, highly-visible marking
- Fade- and weather-resistant ink for extended outdoor exposure
- Heavy-duty aluminum barrel for tough work conditions
- Convenient clip-cap stores marker easily in pockets and eliminates product roll

Industry Uses

- Security and theft prevention
- MRO
- Animal herd management
- Construction

Surface Uses

- Polyurethane plastics
- Animal tag marking
- Rubber

Details 48 Case

- Mark Size 3/16" (4.5mm)
- 96623 ● Black
 - 96638 ● White



markal.com

SOLID PAINT MARKERS

DURABILITY OF PAINT CONVENIENCE OF A CRAYON

With the introduction of the original B® Paintstik® 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.



	B®	B-E®	B-L® / B-W®	C®	E®	F®	FAST DRY®	M® / M-10®	N®	O-10®	P®	WS-3/8®	Lacquer-Stik®	TYRE MARQUE®	Zephyr®	Quik Stik®	Quik Stik® Mini	
PERMANENT																		
Metals																		
Clean, Dry	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙			⊙			⊙	⊙	
Rough	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙						⊙	⊙	
Rusty	⊙	⊙			⊙	⊙	⊙									⊙	⊙	
Oily	⊙				⊙	⊙	⊙			⊙						⊙	⊙	
Wet	⊙															⊙	⊙	
Annealing, Heat Treat								⊙										
Low Corrosion	⊙																	
Plastics																		
Clean, Dry	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙				⊙			⊙	⊙	
Rough	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙							⊙	⊙	
Oily										⊙								
Wet	⊙															⊙	⊙	
Rubber																		
Clean, Dry	⊙				⊙	⊙	⊙						⊙			⊙	⊙	
Rough	⊙				⊙	⊙	⊙						⊙			⊙	⊙	
Oily	⊙									⊙								
Wet	⊙												⊙			⊙	⊙	
Glass, Ceramic																		
Clean, Dry	⊙		⊙				⊙									⊙	⊙	
Rough	⊙	⊙					⊙									⊙	⊙	
Wet	⊙															⊙	⊙	
Brick, Stone																		
Clean, Dry	⊙				⊙	⊙	⊙									⊙	⊙	
Rough	⊙	⊙			⊙	⊙	⊙									⊙	⊙	
Wet	⊙	⊙			⊙	⊙										⊙	⊙	
Before Painted Surface																		
Bleed-Through Paint			⊙															
No Bleed-Through									⊙									
Painted Surface																		
Clean, Dry	⊙			⊙	⊙	⊙	⊙											
Rough	⊙	⊙			⊙	⊙	⊙											
Oily	⊙									⊙								
Wet	⊙				⊙	⊙										⊙	⊙	
REMOVABLE																		
Non-porous Surfaces																		
Clean, Dry												⊙	⊙			⊙		

⊙ Preferred Selection ⊙ Secondary Selection

B® Paintstik®



As Markal's most versatile and economic marker, the original B Paintstik 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.

Features & Benefits

- Real paint for long-lasting, highly visible marks
- Superior marking on rough, rusty, or dirty surfaces
- Solid paint marker eliminates replacement tips, sharpening or priming, increasing productivity
- Weather- and UV-resistant for long-lasting marks
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

- Steel mills and warehouses
- Forge and casting foundries
- Ship building and repair
- Metal fabrication
- Tire repair and retreading
- Lumber/timber
- Construction

Surface Uses

- Steel and iron
- Pipes and tubes
- Rubber and tires
- Lumber/timber
- Plastic
- Glass
- Concrete, stone

Details 144 Case

Mark Size 11/16" (17mm)

- 80220 ● White*
- 80221 ● Yellow
- 80222 ● Red
- 80223 ● Black
- 80224 ● Orange
- 80225 ● Blue
- 80226 ● Green
- 80227 ● Pink
- 80228 ● Purple
- 80229 ● Brown
- 80230 ● Gray
- 80231 ● Gold
- 80232 ● Aluminum
- 82821 ● Fluorescent Yellow



Details 48 Case

Mark Size 11/16" (17mm)

- 80810 ● White*
- 80811 ● Yellow
- 80812 ● Red
- 80813 ● Black
- 80814 ● Orange
- 80815 ● Blue

B-3/8 144 Case

Mark Size 3/8" (9.5mm)

- 80420 ● White*
- 80421 ● Yellow

B-1" 144 Case

Mark Size 1" (25.4mm)

- 80260 ● White*

B-E® Paintstik



Created for very rough surfaces such as forgings, castings, concrete and lumber, the B-E Paintstik marks a wider line more clearly seen on cold, wet, dry or oily metal or wood surfaces.

Features & Benefits

- Soft solid paint for easier marking on rough or colder surfaces
- Marks withstand prolonged immersion in water for long mark life
- Weather- and UV-resistant
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

- Steel mills and warehouses
- Metal fabrication
- Construction
- Lumber/timber

Surface Uses

- Steel and iron
- Concrete, stone
- Lumber/timber
- Ingots

Details 144 Case

Mark Size 11/16" (17mm)

- 80620 ● White
- 80621 ● Yellow
- 80622 ● Red
- 80623 ● Black
- 80624 ● Orange
- 80625 ● Blue



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



B-L® Paintstik® 

- Features & Benefits**
- Marks bleed through solvent- or oil-based primers or paints
 - 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 paint
 - Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses
Construction
Bridge fabrication
Ship building and repair

Surface Uses
Steel and iron
Structural steel

Details 144 Case
Mark Size 11/16" (17mm)
80725 ● Blue

BL-W® Paintstik 

- Features & Benefits**
- Marks bleed through water-based primers or paints
 - Used for inspection, coding, layout or assembly operations
 - Durable weather- and UV-resistant marks
 - Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses
Construction
Bridge fabrication
Ship building and repair

Surface Uses
Steel and iron
Structural steel

Details 144 Case
Mark Size 11/16" (17mm)
80735 ● Blue

C® Paintstik 

- Features & Benefits**
- Harder solid paint marker for superior marks on smooth or warmer surfaces
 - Weather- and UV-resistant paint for long-lasting marks
 - Marking range: 0°F to 150°F (-18°C to 66°C)

Industry Uses
Steel mills and warehouses
Construction

Surface Uses
Cold rolled steel
Sheet metal
Plate glass
Plastic

Details 144 Case
Mark Size 11/16" (17mm)
80820 ● White
80821 ● Yellow

E® Paintstik 

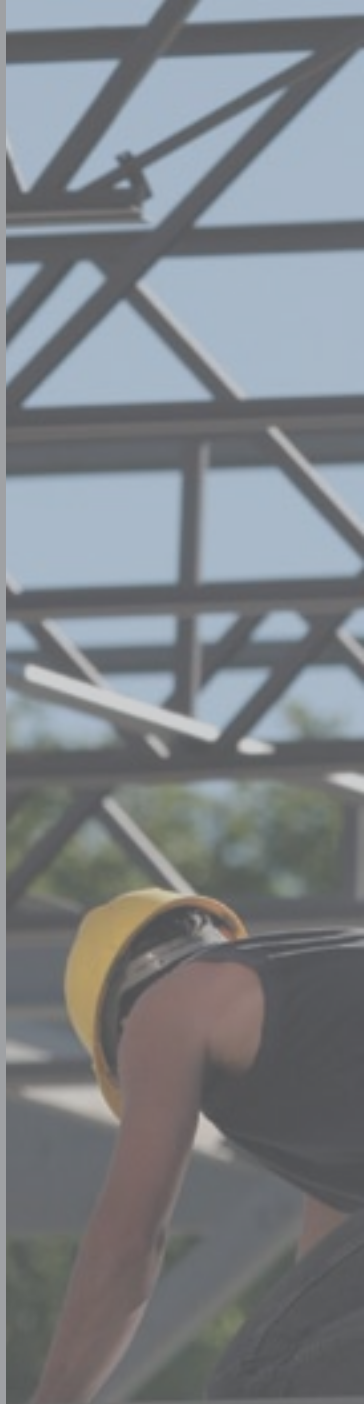
- Features & Benefits**
- High-intensity colors for coding, identification, layout, and assembly work
 - Durable weather- and UV-resistant marks
 - Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses
Steel mills and warehouses
Metal fabrication
Tire repair and retreading
Construction
Ship building and repair

Surface Uses
Steel and iron
Pipes and tubes
Rubber and tires
Lumber/timber
Plastic
Glass
Concrete, stone

Details 144 Case
Mark Size 11/16" (17mm)
88620 ● White
88621 ● Yellow
88624 ● Orange
88625 ● Blue

E-1"
Mark Size 1" (25.4mm)
88640 ● White



F® Paintstik® 

- Features & Benefits**
- Vibrant colors for improved visibility
 - Fluorescent marks glow under UV or black light
 - For high visibility marking in outdoor applications use E® Paintstik
 - Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses
Steel mills and warehouses
Forge and casting foundries
Tire repair and retreading
Lumber mills

Surface Uses
Steel and iron
Pipes and tubes
Rubber and tires
Glass
Plastic
Lumber/timber

Details 72 Case
Mark Size 11/16" (17mm)
82831 ● Yellow
82832 ● Red
82834 ● Orange
82835 ● Blue
82836 ● Green
82842 ● Pink



FAST DRY® Paintstik 

- Features & Benefits**
- Marks dry within 5 minutes on wet, oily, dry, and rough surfaces
 - Quick-drying marks allow for immediate handling without smearing
 - Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses
Metal fabrication
Ship building and repair
Steel mills and warehouses
Tire repair and retreading

Surface Uses
Pipes and tubes
Steel and iron
Rubber and tires
Glass
Lumber/timber

Details 72 Case
Mark Size 11/16" (17mm)
82720 ● White
82721 ● Yellow
82722 ● Red

Fine Size
Mark Size 3/8" (9.5mm)
82730 ● White
82731 ● Yellow



M® and M-10® Paintstik 

- Features & Benefits**
- Marks will withstand immediate quenching in water or oil
 - Ideal for welds, ingots, castings, forgings, and other annealed parts
 - M Paintstik withstands 1600°F (871°C)
 - M-10 Paintstik withstands 1800°F (982°C)
 - Durable marks will not rub off, allowing for long-lasting identification

Industry Uses
Forge and casting foundries
Steel mills
Welding
Heat-treating

Surface Uses
Steel and iron
Aluminum

Details 144 Case
Mark Size 11/16" (17mm)
M Paintstik
81920 ● White
81921 ● Yellow
81922 ● Red
81923 ● Black

M-10 Paintstik
82020 ● White



N® Paintstik® 

- Features & Benefits**
- 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
 - Marking range: 0°F to 150°F (-18°C to 66°C)

Industry Uses
Ship building and repair
Metal fabrication
Construction

Surface Uses
Steel and iron
Lumber/timber
Glass
Plastic
Concrete, stone

Details 144 Case
Mark Size 11/16" (17mm)
82120 ● White
82121 ● Yellow
82123 ● Black



O-10® Paintstik®



The O-10 Paintstik is designed to penetrate through heavily oiled surfaces to leave dry, visible marks for instant identification.

Details 144 Case
Mark Size 11/16" (17mm)
82220 ● White

Features & Benefits

- Marks will not run or spread on oily surfaces for easy identification
- Paint marks are resistant to oil puddling found in steel coils
- Marking range: 0°F to 250°F (-18°C to 121°C)

Industry Uses

Steel mills and warehouses
Oil refineries and production
Metal fabrication

Surface Uses

Steel and iron
Aluminum
Pipes and tubes

P® Paintstik



The P Paintstik is designed for use in pickling baths or galvanizing operations. The marks completely remove and will not interfere with the zinc coating.

Details 144 Case
Mark Size 11/16" (17mm)
83420 ● White

Features & Benefits

- 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
- Solid paint crayon makes wide, bold marks for instant identification
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Metal fabrication

Surface Uses

Steel

WS-3/8® Paintstik



The smooth-writing WS-3/8 Paintstik is a removable solid paint crayon. The fine line marks are easily wiped away with water and will not ghost on non-porous surfaces.

Details 144 Case
Mark Size 3/8" (9.5mm)
82420 ● White
82421 ● Yellow
82422 ● Red
82423 ● Black

Features & Benefits

- Water soluble for easy removal before production or finishing
- Smaller diameter for finer line marking
- Ideal for temporary marking on non-porous surfaces
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

Automotive assembly
Ship building and repair
Automotive aftermarket
Tire repair and retreading
Shipping supply
Textile

Surface Uses

Plastic
Glass
Painted metals
Polished aluminum
Cloth, fabric (textiles)
Rubber and tires
Pipes and tubes
Other non-porous metals

markal.com



Lacquer-Stik®



Lacquer-Stik is a specially formulated solid paint crayon designed to color-brighten stamped or engraved lines and lettering.

Features & Benefits

- Highlighter, fill-in paint provides bold, bright colors for even the smallest engravings
- Rubs in and wipes off easily, dries quickly
- Paint stays flexible, expands and contracts with the surface, for long-lasting color
- No mess or waste, eliminates dripping paint
- Mark temperature resistance: up to 500°F (260°C)
- Meets U.S.A. federal specification TT-F-325a I and MIL-STD 171, Finish No. 30.1.1, Type I

Industry Uses

Sporting goods
Trophy engraving
Automotive aftermarket
Electronics

Surface Uses

Gun and gun sights
Plastic and ceramic
Computer components
Household appliances
Name plates
Tools, dials, knobs



Details 144 Case
Mark Size 3/8" (9.5mm)
51120 ● White
51121 ● Yellow
51122 ● Red
51123 ● Black
51131 ● Gold

TYRE MARQUE®



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 marking.

Features & Benefits

- Smooth marking on rough or dirty surfaces for bold, visible marks
- Marks easily on wet or cold rubber surfaces
- Marking range: -20°F to 130°F (-29°C to 54°C)

Industry Uses

Tire repair and retreading

Surface Uses

Rubber and tires



Details 144 Case
Mark Size 1/2" (12.7mm)
51420 ● White
51421 ● Yellow
51422 ● Red

ZEPHYR® Paintstik®



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

Features & Benefits

- Water soluble for easy removal from glass and other non-porous surfaces
- Wider, more wear-resistant marks than WS-3/8®
- Marks will not damage surface or ghost after removal
- Marking range: -50°F to 150°F (-46°C to 66°C)

Industry Uses

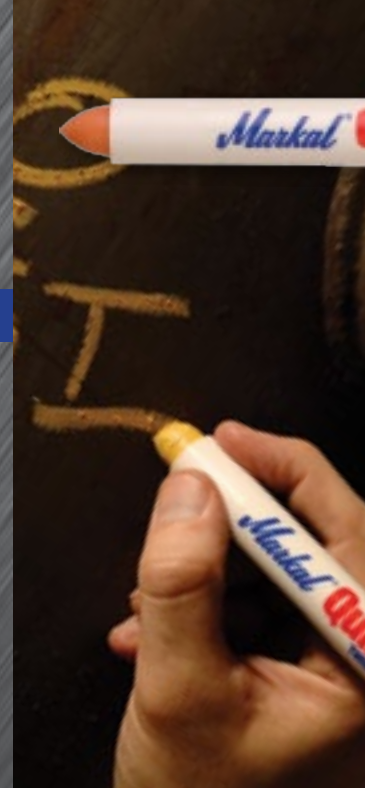
Automotive aftermarket
Automotive assembly
Metal fabrication

Surface Uses

Glass
Ceramic
Painted metals
Steel
Rubber and tires



Details 48 Case
Mark Size 11/16" (17mm)
51321 ● Yellow



Quik Stik®



Quik Stik 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 tool-boxes clean with the industry's largest twist-up solid paint marker.

Details 72 Case

Mark Size 11/16" (17mm)

- 61049 ● Red
 - 61050 ● Black
 - 61051 ● White
 - 61053 ● Yellow
 - 61069 ● Green
 - 61070 ● Blue
 - 61071 ● Orange
 - 61073 ● Purple
- 24 Case**
- 61117 ● Yellow
 - 61118 ● Red
 - 61119 ● Black
 - 61120 ● White

Features & Benefits

- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- 20% more paint than other brands, more marks for the money
- Marks on virtually any surface: wet, smooth, rough, or hot
- Airtight, self-storing cap keeps the marker clean and fresh between uses
- Weather- and UV-resistant paint for long-lasting mark
- Solid paint marker advances and retracts by turning twist-up knob
- Marking range: 0°F to 392°F (-18°C to 200°C)

Industry Uses

Metal fabrication
Automotive aftermarket
Construction
Welding
Industrial process piping
Shipping supply

Surface Uses

Pipes and tubes
Glass, ceramic
Steel and iron
Lumber/timber
Concrete, stone
Rubber and tire
Plastic

Quik Stik Mini



The Quik Stik 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 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.

Details 48 Case

Mark Size 1/4" (6mm)

- 61126 ● White
- 61127 ● Yellow
- 61128 ● Red
- 61129 ● Black

Features & Benefits

- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- Compact plastic holder with clip cap stores easily in pocket and keeps hands and clothing clean
- Marks on virtually any surface; wet, smooth, rough, or hot
- Weather- and UV-resistant paint for long-lasting marks
- Solid paint marker advances and retracts by turning twist-up knob
- Xylene and 2-Butoxyethanol free formula to reduce health risks
- Marking range: 0°F to 392°F (-18°C to 200°C)

Industry Uses

Welding
Metal Fabrication
Automotive aftermarket
Construction
Industrial process piping
Shipping supply
Plastic

Surface Uses

Steel and iron
Pipes and tubes
Glass, ceramic
Lumber/timber
Concrete, stone
Rubber and tires

markal.com



101 Holder



The 101 heavy-duty metal holder reduces hand fatigue and protects Markal® solid paint markers in rough working conditions.

Features & Benefits

- Heavy-duty metal holder for all standard size solid paint markers prevents unwanted breaking during use for longer work life
- Engineered for the following Markal standard 11/16" (1.7 cm) size solid paint markers: B®, B-E®, B-L®, BL-W®, C®, E®, F®, M®, M-10®, N®, O-10®, P®, Zephyr®
- Easy, push-up advance design for quick use

Industry Uses

Steel mills and warehouses
Metal fabrication and construction
Ship building and repair
Lumber/timber
Tire repair and retreading

Surface Uses

Rubber and tires
Aluminum, steel and iron
Concrete and stone
Structural steel
Pipes and tubes



Marker not included.

Details 12 Case

Length 5" (12.7cm)
85000 Marker Holder

102 Holder



The 102 metal holder protects solid paint markers, reduces hand fatigue and keeps workspace clean. Easy-to-advance, adjustable holder maximizes marker life.

Features & Benefits

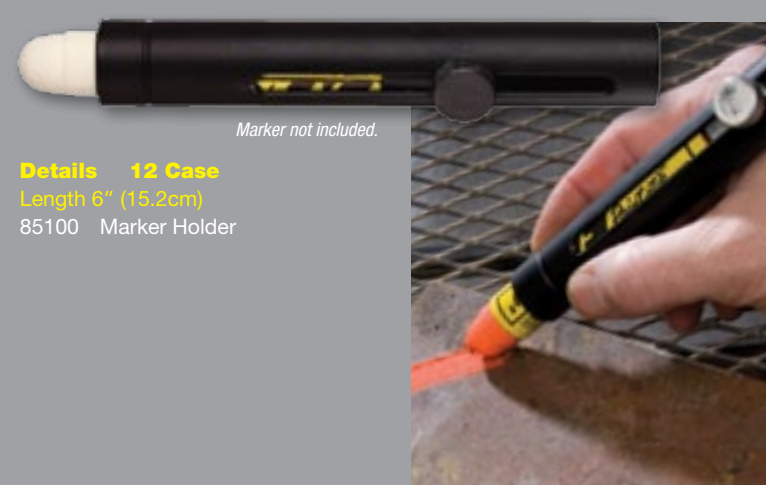
- Durable metal holder promotes long work-life for all standard 11/16" (1.7 cm) size Markal solid paint markers.
- Adjustable mechanism easily advances paint marker
- Designed for use with the following Markal standard size solid paint markers: B, B-E, B-L, BL-W, C, E, F, M, M-10, N, O-10, P
- For safer distance marking, 24" (0.6 m) and 36" (0.9 m) extensions are available for special order

Industry Uses

Steel mills and warehouses
Metal fabrication and construction
Ship building and repair
Lumber/timber
Tire repair and retreading

Surface Uses

Rubber and tires
Aluminum, steel and iron
Concrete and stone
Structural steel
Pipes and tubes



Marker not included.

Details 12 Case

Length 6" (15.2cm)
85100 Marker Holder

107 Holder



This durable metal holder is built for ease of marking and protects small diameter solid paint markers from breakage. Its push-button design makes for easy, single-hand use on the jobsite.

Features & Benefits

- Dependable holder protects fine size Markal Paintstiks® for long work life
- Easy-to-use, push-button design reduces work downtime
- For safe distance marking, 24" (0.6 m) and 36" (0.9 m) extensions are available for special order
- Designed for use with the following Markal solid paint markers: B-3/8, FAST-DRY® 3/8, and WS-3/8®

Industry Uses

Metal fabrication
Ship building and repair
Steel mills and warehouses
Tire repair and retreading
Automotive assembly

Surface Uses

Pipes and tubes
Steel and iron
Rubber and tires
Glass and plastic



Marker not included.

Details 12 Case

Length 5.5" (14cm)
85300 Marker Holder

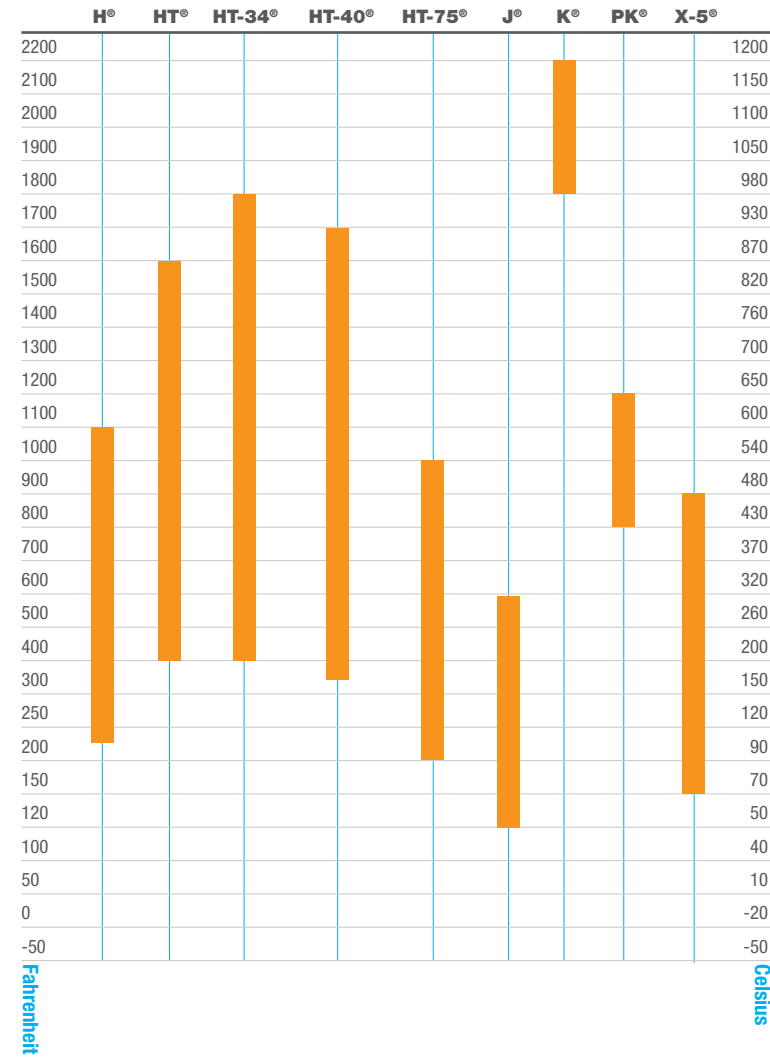


markal.com

SOLID PAINT MARKERS-HOT SURFACE

EXTREME TEMPERATURES

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 120°F (49°C) to 2200°F (1204°C) these markers are ideal for use on coils, billets, bars, ingots, and plates.



Fahrenheit

Celsius

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

Surface Uses

Coils
Billets and bars
Castings and pigs
Ingots and plates
Rails and beams
Glass



H° Paintstik®



Marking range:
225°F to 1100°F
107°C to 593°C

Details 144 Case
Mark Size 3/8" (9.5mm)

- 81020 ● White
- 81021 ● Yellow
- 81022 ● Red
- 81023 ● Black
- 81025 ● Blue
- 81026 ● Green
- 81029 ● Brown



HT° Paintstik



Marking range:
400°F to 1600°F
204°C to 871°C

Details 144 Case
Mark Size 3/8" (9.5mm)

- 81220 ● White
- 81221 ● Yellow
- 81222 ● Red
- 81223 ● Black
- 81225 ● Blue
- 81226 ● Green

King Size

Mark Size 3/4" (19mm)
81210 ● White



HT-34° Paintstik



Marking range:
400°F to 1800°F
204°C to 982°C

Details 144 Case
Mark Size 3/8" (9.5mm)

- 84720 ● White
- King Size
- Mark Size 3/4" (19mm)
- 84710 ● White



HT-40° Paintstik



Marking range:
350°F to 1700°F
177°C to 927°C

Details 144 Case
King Size

- Mark Size 3/4" (19mm)
- 81610 ● White





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

Surface Uses

Coils
Billets and bars
Castings and pigs
Ingots and plates
Rails and beams
Glass

HT-75® Paintstik®



Marking range:
200°F to 1000°F
98°C to 538°C

**Details 144 Case
King Size**
Mark Size 3/4" (19mm)
84820 ● White

J® Paintstik



Marking range:
120°F to 600°F
49°C to 316°C

Details 144 Case
Mark Size 3/8" (9.5mm)
81720 ● White

K® Paintstik



Marking range:
1800°F to 2200°F
982°C to 1204°C

**Details 144 Case
King Size**
Mark Size 3/4" (19mm)
81820 ● White

X-5® Paintstik

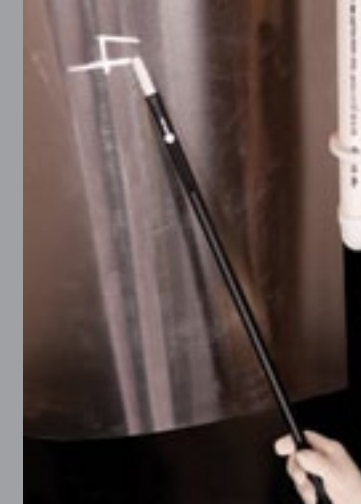


Marking range:
150°F to 900°F
66°C to 482°C

Details 144 Case
Mark Size 3/8" (9.5mm)
82520 ● White
82521 ● Yellow



markal.com



PK® Paintstik®



Marking range:
800°F to 1200°F
427°C to 649°C

Features & Benefits

- Hot surface paint crayon for temporary marks prior to the galvanizing process
- Temporary marks allow for entire use of coil
- Marks will not contaminate the steel surface for future processing operations
- Temporary marks will not run, char, or discolor
- Marking outside the temperature range may result in incomplete mark removal

Industry Uses

Steel mills and warehouses
Metal fabrication

Surface Uses

Hot steel coils
Metal plates and sheets
Pipes and tubes

Details 144 Case
Mark Size 3/8" (9.5mm)
81200 ● White



markal.com

100 Holder



Features & Benefits

- Durable wooden holder protects the marker during use for long marking life.
- Adjustable metal ring secures marker in holder
- Designed for use with the following Markal® hot surface solid paint markers: H®, HT®, HT-34®, HT-40®, J®, X-5®

Industry Uses

Steel mills
Forge and casting foundries
Heat-treating
Metal fabrication
Metal production

Surface Uses

Hot metal surfaces
Rubber and tires

Details 12 Case
Length 4" (10.2cm)
85500 Marker Holder

102K Holder



Features & Benefits

- Long holder length protects the user from dangerous heat
- Fast button advancing for high production, even with heavy-duty gloves
- Designed for use with the following Markal hot surface solid paint markers: K®, HT-75®, HT King size, HT-34 King size
- For safe distance marking, 24" (0.6 m) and 36" (0.9 m) extensions are available for special order

Industry Uses

Steel mills
Forge and casting foundries
Metal production

Surface Uses

Hot-rolled steel
Hot metal surfaces

Details 12 Case
Length 7 1/4" (18.4cm)
85200 Marker Holder

111 Holder



Features & Benefits

- The longest metal holder for hot surface marking
- Durable, push-button metal holder is easy to use, even with heavy-duty gloves
- Designed for use with the following Markal hot surface solid paint markers: H, HT, HT-34, HT-40, J, X-5
- For safe distance marking, 24" (0.6 m) and 36" extensions are available for special order

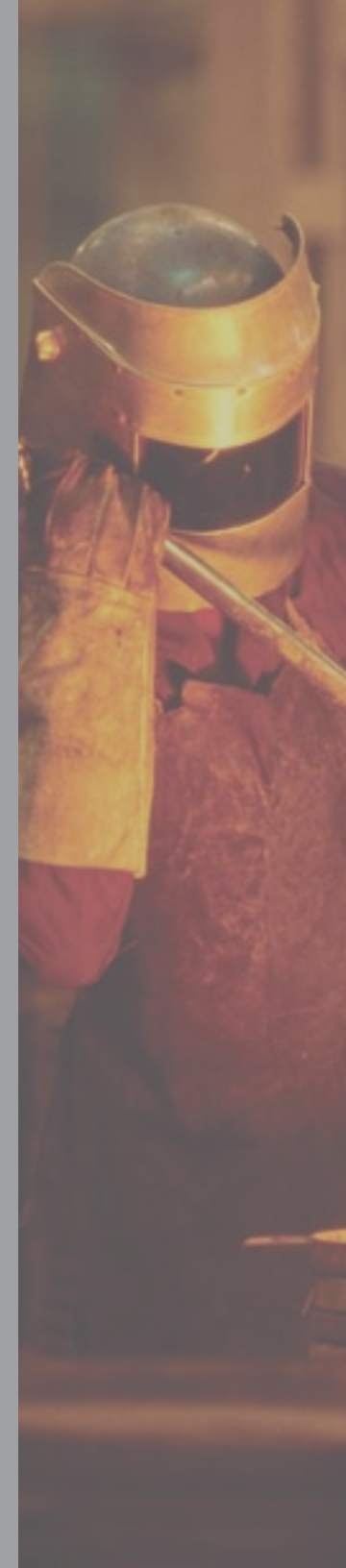
Industry Uses

Steel mills
Forge and casting foundries
Heat-treating
Metal fabrication
Metal production

Surface Uses

Rubber and tires
Hot metal surfaces

Details 12 Case
Length 11" (28cm)
85700 Marker Holder



WELDING MARKERS

LONG-LASTING AND VISIBLE

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.



Silver-Streak® & Red-Riter® Welders Pencils



Markal® Silver-Streak and Red-Riter Welders 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.

Features & Benefits

- Reflective lead illuminates when cutting or welding for improved visibility
- The soapstone alternative: marks resist torch flames; will not rub, burn or blow off.
- Durable marks will not scratch or abrade metal surfaces
- Available in two highly visible colors: red for aluminum or other bright metals, silver for darker surfaces
- High-strength, hex-shaped pencil reduces barrel roll unlike competitive brands
- Pre-sharpened pencils can be easily resharpened with any standard pencil sharpener

Industry Uses

Welding
Metal fabrication
Ship building and repair
Bridge fabrication
Construction

Surface Uses

Steel and iron
Aluminum

Details 72 Case

- 96101 Silver
- 96100 Red



Silver-Streak



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.

Features & Benefits

- Highly visible marks illuminate when cutting or welding
- Superior to soapstone in markability and durability; will not rub, burn or blow off surface
- Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces
- Available in flat and round shapes
- Durable holders prevent stick breakage
- Durable, mechanical holder prevents stick breakage and features a convenient, built-in sharpener and pocket clip for easy storage.

Industry Uses

Welding
Metal fabrication
Ship building and repair
Bridge fabrication
Construction

Surface Uses

Steel and iron
Aluminum
Stainless steel

Details 24 Case

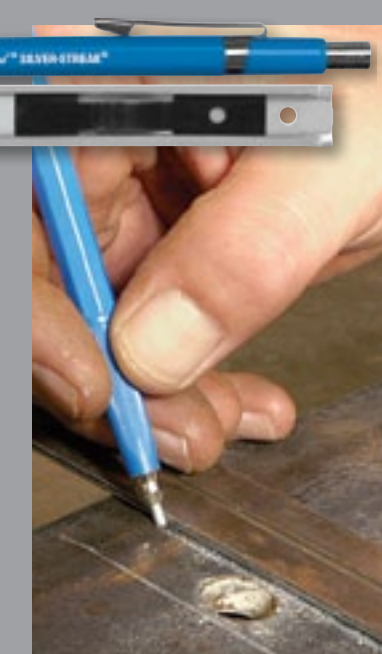
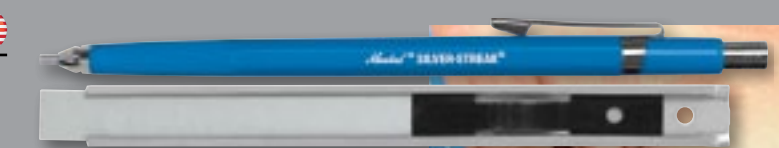
- 96004 Flat
- 96006 Round

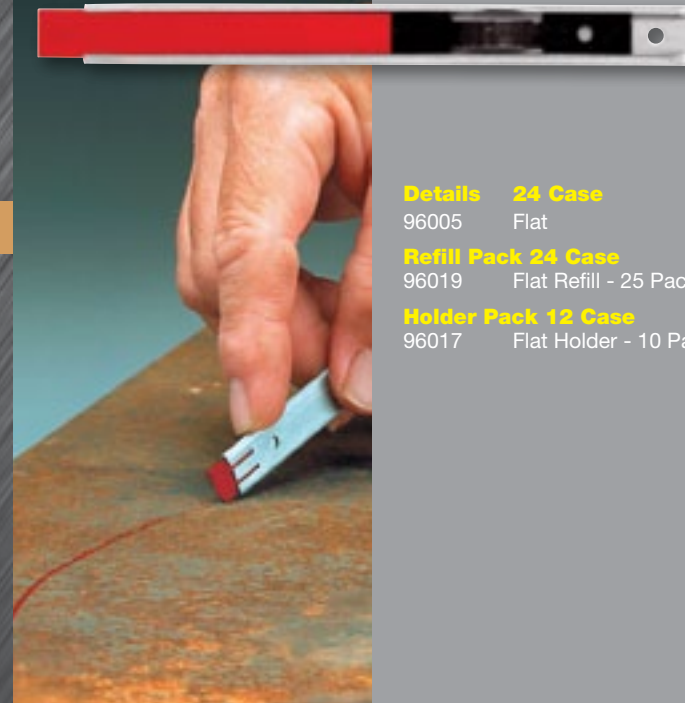
Refill Pack 24 Case

- 96107 Round Marker w/10 Refills
- 96018 Flat Refill - 25 Pack
- 96002 Flat Refill - 100 Pack
- 96007 Round Refill - 6 Pack

Holder Pack 12 Case

- 96017 Flat Refill - 10 Pack



**Details 24 Case**

96005 Flat

Refill Pack 24 Case

96019 Flat Refill - 25 Pack

Holder Pack 12 Case

96017 Flat Holder - 10 Pack

Red-Riter®

Ideal for use on aluminum and stainless steel, Red-Riter metal markers deliver high visibility marks, which are resistant to torch flames. The red lead is more visible through a welder's filter plate. Unlike soapstone, the durable marks will not rub, burn or blow off during metal layout and fabrication work.

Features & Benefits

- Highly visible marks illuminate when cutting or welding
- Superior to soapstone in markability and durability; will not rub, burn or blow off surface
- Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces
- Rugged metal holder prevents stick breakage and includes handy pocket clip for easy storage when not in use

Industry Uses

Welding
Metal fabrication
Ship building and repair
Bridge fabrication
Construction

Surface Uses

Aluminum
Stainless steel
Steel and iron

Soapstone

All-natural soapstone is the economical, versatile solution for temporary marking during welding operations. Marks are easily removed and will not contaminate welds.

Features & Benefits

- Temporary marks can be easily removed
- Marks will not contaminate weld or damage metal surface
- Holders for flat and round shapes reduce breakage
- For more visible and durable marks, see our Silver-Streak® and Red-Riter metal markers

Industry Uses

Welding
Metal fabrication
Ship building and repair
Bridge fabrication
Construction
Textile

Surface Uses

Steel and iron
Aluminum
Stainless steel
Cloth, fabric (textiles)

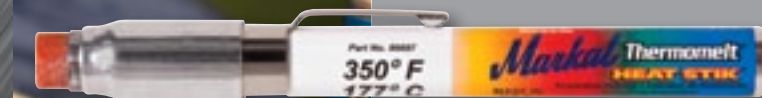


TEMPERATURE INDICATORS

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®



Thermomelt HEAT-STIK markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 88 Fahrenheit temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field.

Features & Benefits

- 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
- Meets welding codes: AWS D1.1, ANSI/ASME Code B32.1 & B31.3, ASME Code Sec. I, III, and VII, NIST Traceable

Industry Uses

Welding
Ship building and repair
Bridge fabrication
Metal fabrication
Forge and casting foundries
Railroad
Steel mills

Surface Uses

Steel and iron

Details 12 Case

	F	C
86400	100°F	38°C
86409	109°F	43°C
86418	113°F	45°C
86427	119°F	48°C
86436*	125°F	52°C
86445	131°F	55°C
86454	138°F	59°C
86463*	150°F	66°C
86472	163°F	73°C
86481*	175°F	79°C
86490	182°F	83°C
86499	188°F	87°C
86508	194°F	90°C
86517*	200°F	93°C
86522	206°F	97°C
86526	213°F	101°C
86535	219°F	104°C
86544*	225°F	107°C
86553	238°F	114°C
86562*	250°F	121°C
86569	256°F	124°C
86571	263°F	128°C
86580	269°F	132°C
86589*	275°F	135°C
86598	282°F	139°C
86607	288°F	142°C
86616	294°F	146°C
86625*	300°F	149°C
86634	306°F	152°C
86643	313°F	156°C

	F	C
86652	319°F	159°C
86661*	325°F	163°C
86670	331°F	166°C
86679	338°F	170°C
86688	344°F	173°C
86697*	350°F	177°C
86706	363°F	184°C
86715*	375°F	191°C
86724	388°F	198°C
86733*	400°F	204°C
86742	413°F	212°C
86751*	425°F	218°C
86760	438°F	225°C
86769*	450°F	232°C
86778	463°F	239°C
86787*	475°F	246°C
86796	488°F	253°C
86805*	500°F	260°C
86814*	525°F	274°C
86823*	550°F	288°C
86832	575°F	302°C
86841	600°F	316°C
86850	625°F	239°C
86859*	650°F	343°C
86868	700°F	371°C
86877	750°F	399°C
86886	800°F	427°C
86895	850°F	454°C
86904	900°F	482°C
86922	950°F	510°C

	F	C
86931	1000°F	538°C
86940	1022°F	550°C
86949	1050°F	565°C
86958	1100°F	593°C
86967	1150°F	621°C
86976	1200°F	649°C
86985	1250°F	677°C
86994	1300°F	704°C
87003	1350°F	732°C
87012	1400°F	760°C
87021	1425°F	774°C
87030	1450°F	788°C
87039	1480°F	804°C
87048	1500°F	816°C
87057	1550°F	843°C
87066	1600°F	871°C
87075	1650°F	899°C
87084	1700°F	927°C
87093	1750°F	954°C
87102	1800°F	982°C
87111	1850°F	1010°C
87120	1900°F	1038°C
87129	1950°F	1066°C
87138	2000°F	1093°C
87147	2050°F	1121°C
87156	2100°F	1149°C
87165	2150°F	1177°C
87174	2200°F	1204°C

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



Thermomelt® HEAT-STIK® Celsius



Thermomelt HEAT-STIK markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 31 Celsius temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field.

Features & Benefits

- When the stick melts, the precise temperature is reached
- Long-lasting stick is 33% bigger than competition
- Accurate to within +/- 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
- Meets welding codes: AWS D1.1, ANSI/ASME Code B32.1 & B31.3, ASME Code Sec. I, III, and VII, NIST Traceable

Industry Uses

Welding
Ship building and repair
Bridge fabrication
Metal fabrication
Forge and casting foundries
Railroad
Steel mills

Surface Uses

Steel and iron

Details 12 Case

	C	C
86402	50°C	86824 550°C
86404	75°C	86825 560°C
86401	100°C	86842 600°C
86408	125°C	86860 650°C
86413	131°C	86870 700°C
84664	150°C	86878 750°C
86410	175°C	86887 800°C
86516	200°C	86896 850°C
86405	225°C	86905 900°C
86563	250°C	86923 950°C
86407	275°C	86932 1000°C
86626	300°C	86950 1050°C
86698	350°C	86960 1100°C
86734	400°C	86968 1150°C
86770	450°C	86977 1200°C
86807	500°C	

Certified Thermomelt HEAT-STIK



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.

Features & Benefits

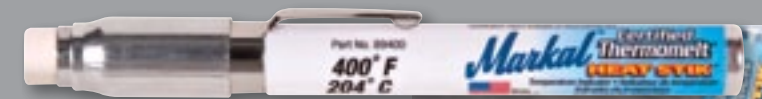
- Certified to meet the following U.S.A. and international specifications:
 - EDF PMUC
 - MIL - STD-2041D
 - U.S. DOE RDT F-7-3T (expired)
 - U.S. Navy C3070
- Engineered to meet:
 - < 200 ppm total halogens
 - < 250 ppm each low melting point metals
 - < 300 ppm total low melting point metals
 - < 200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

Industry Uses

Ship building and repair
Nuclear-power generation
Other power generation facilities
Oil and gas
Military

Surface Uses

Stainless Steel
Alloy and superalloy metals



Details 12 Case

	F	C
89100*	100°F	38°C
89125*	125°F	52°C
89150*	150°F	66°C
89175*	175°F	79°C
89200*	200°F	93°C
89225*	225°F	107°C
89250*	250°F	121°C
89275*	275°F	135°C
89300*	300°F	148°C
89325*	325°F	163°C
89350*	350°F	177°C
89375*	375°F	191°C
89400*	400°F	204°C
89425*	425°F	218°C
89450*	450°F	232°C
89475*	475°F	246°C
89500*	500°F	260°C
89525*	525°F	274°C
89550*	550°F	288°C
89650*	650°F	343°C

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



LUMBER/ TIMBER MARKERS

ECONOMICAL AND EFFECTIVE

Whether marking raw materials in the field or in plant for processing, Markal® has a marker engineered for use on almost any wood surface and for use with grade mark readers.

For marking logs, boards, or raw lumber, our lumber crayons are an economical and effective way to mark wet, dry, rough, and dirty wood for improved processing and tracking.

For use with grade mark readers, our scanning crayons have been engineered with exceptional color and vibrancy to reduce misreads and improve efficiency.



Lumber Crayon 500

Markal® Lumber Crayon 500 is a harder, clay-based crayon for longer marking life and is suitable for marking in hot climates. The bold, bright marks are weather- and UV-resistant.



Features & Benefits

- Known in construction trades as "keel" or layout chalk
- Clay-based formula provides longer marking mileage
- Special harder formula allows for superior marking in hot climates
- Available in fluorescent colors for high visibility marks
- Marking range: -20°F to 150°F (-29°C to 66°C)

Industry Uses

Construction
Stone and masonry
Lumber/timber

Surface Uses

Wood
Stone
Metal
Plastic
Rubber
Concrete

Details 144 Case

Mark Size 1/2" (12.7mm)

- 80320 ● White
- 80321 ● Yellow
- 80322 ● Red
- 80323 ● Black
- 80324 ● Orange
- 80325 ● Blue
- 80326 ● Green
- 80328 ● Purple

72 Case

- 80451 ● Fluorescent Yellow
- 80452 ● Fluorescent Red
- 80454 ● Fluorescent Orange
- 80462 ● Fluorescent Pink



Lumber Crayon 200

Markal Lumber Crayon 200 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.



Features & Benefits

- Known in construction trades as "keel" or layout chalk
- Formulated for weather- and fade-resistant marking on most surfaces
- Special softer formula allows for superior marking in cold climates
- Marking range: -20°F to 150°F (-29°C to 66°C)

Industry Uses

Construction
Stone and masonry
Lumber/timber

Surface Uses

Wood
Stone
Metal
Plastic
Rubber
Concrete

Details 144 Case

Mark Size 1/2" (12.7mm)

- 80350 ● White
- 80351 ● Yellow
- 80352 ● Red
- 80353 ● Black
- 80354 ● Orange
- 80355 ● Blue
- 80356 ● Green
- 80358 ● Purple



markal.com

**Pro-EX®**

Markal® Pro-EX is a clay-based, extruded lumber crayon for bright marks on different surfaces in the construction trades. This premium-grade crayon works on wet or dry surfaces.

Details 48 Case

Mark Size 1/2" (12.7mm)

- 80379 ● Brown
- 80380 ● White
- 80381 ● Yellow
- 80382 ● Red
- 80383 ● Black
- 80384 ● Orange
- 80385 ● Blue
- 80386 ● Green
- 80387 ● Pink
- 80388 ● Purple

Features & Benefits

- Stronger formula for reduced breakage and longer marking life
- Superior performance on wet, frozen, or treated wood
- Clay-based formula for smooth, fast marking
- Marking range: -20°F to 150°F (-29°C to 66°C)

Industry Uses

Construction
Stone and masonry
Lumber/timber

Surface Uses

Wood
Concrete
Stone
Metal
Plastic
Rubber

OPTIMARK®

Markal OPTIMARK improves automatic cut-off saw accuracy. The fluorescent crayon makes bright, clear marks, eliminating missed scans.

Details 48 Case

Mark Size 1/2" (12.7mm)

- 82742 ● Red
- 82743 ● Orange
- 82744 ● Pink
- 82745 ● Red Orange
- 82746 ● Yellow Orange
- 82747 ● Burgundy

Features & Benefits

- Formulated to minimize color transfer to machinery, reducing work downtime and clean-up
- Lasts longer - up to 4x the writing life compared to ordinary crayons and fluorescent markers
- Six visually distinct fluorescent colors identifies multiple operators

Industry Uses

Lumber

Surface Uses

Dimensional lumber

SCAN-IT® Plus

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

Features & Benefits

- Each batch is tested to meet the specifications for Lucidyne ColorScan® grade mark readers
- Superior color separation for accurate grading compared to competitive crayons
- Makes smear-resistant marks, reduces scanning errors
- Up to 14 fluorescent colors in three hardnesses for varying production environments

Industry Uses

Lumber/timber
Surface Uses
Lumber
Wood products

Details 72 Case

Hex
Mark Size 1/2" (12.7mm)

- Soft**
- 82630 ● Blue Moon
 - 82640 ● Pink Lightning
 - 82643 ● Russet Brown

- Medium**
- 82331 ● Orange Sherbet
 - 82332 ● Watermelon Red
 - 82333 ● Red Cedar
 - 82340 ● Pink Lightning
 - 82341 ● Emerald Green

- Hard**
- 82231 ● Orange Sherbet
 - 82232 ● Watermelon Red
 - 82234 ● Grasshopper Green

Details 72 Case

Round
Mark Size 11/16" (17mm)

- Soft**
- 82635 ● Blue Moon
 - 82636 ● Orange Sherbet
 - 82637 ● Watermelon Red
 - 82638 ● Red Cedar
 - 82639 ● Grasshopper Green
 - 82645 ● Pink Lightning
 - 82646 ● Emerald Green
 - 82647 ● Pumpkin
 - 82648 ● Russet Brown
 - 82658 ● Lime Green
 - 82659 ● Lemon Yellow

- Medium**
- 82335 ● Blue Moon
 - 82336 ● Orange Sherbet
 - 82337 ● Watermelon Red
 - 82338 ● Red Cedar
 - 82339 ● Grasshopper Green
 - 82345 ● Pink Lightning
 - 82346 ● Emerald Green

Medium Con't

- 82347 ● Pumpkin
- 82348 ● Russet Brown
- 82349 ● Slate Gray
- 82355 ● Pink Marble
- 82357 ● Moss Green
- 82358 ● Lime Green
- 82359 ● Lemon Yellow

Hard

- 82235 ● Blue Moon
- 82236 ● Orange Sherbet
- 82237 ● Watermelon Red
- 82238 ● Red Cedar
- 82239 ● Grasshopper Green
- 82245 ● Pink Lightning
- 82246 ● Emerald Green
- 82247 ● Pumpkin
- 82248 ● Russet Brown
- 82255 ● Pink Marble
- 82258 ● Lime Green





ULTRASCAN®

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



Details 72 Case

Mark Size 11/16" (17mm)

82430	● Brick Red 11
82431	● Magenta 21
82432	● Red Orange 31
82433	● Orange 41
82434	● Berry 51
82435	● Lime 61
82436	● Burgundy 12
82439	● Dark Orange 42
82440	● Brown 52
82441	● Green 62
82442	● Rust 13
82446	● Yellow Orange 53

82447	● Yellow 63
82450	● Blue Green 70
82451	● Bright Pink 91
82452	● Royal Blue 80
82457	● Light Blue 81
82459	● Bright Orange 44
82461	● Spring Green 71
82462	● Dark Brown 55
82463	● Golden Rod 54
82466	● Purple 24
82467	● Bright Red 34
82468	● Neon Orange 103
82469	● Tan 45
82470	● Tangerine 03

Features & Benefits

- Bright colors provide the highest fluorescent response of any lumber grading marker
- Maximum character recognition and accuracy for the lowest possible reject rates
- Each batch is tested to meet the specifications for Lucidyne ColorScan® and Newnes-McGehee grade mark readers
- Unique formula provides excellent writing on wet and green lumber, even with fungicide coating
- 26 colors for superior color separation compared to competitive fluorescent wax crayons
- One hardness for all temperatures, eliminates duplicate inventory
- Dramatically longer use, provides up to 4X the writing life of competitive crayons

Industry Uses

Lumber/timber

Surface Uses

Lumber
Wood products



markal.com



markal.com

Prograde Holder



Features & Benefits

- Front of holder is flexible and cushions the hand from shock, resulting in less hand fatigue
- Strong composite plastic design helps prevent breakage
- Easy, push-button advance for quick use on the jobsite
- Sturdy leather wrist strap helps prevent dropping
- Design for use with the following Markal® Lumber/timber markers: ULTRASCAN®, SCAN-IT® Plus 11/16" (17 mm), and other standard size Paintstik® markers

Industry Uses

Lumber/timber
Construction
Lumber grading systems

Surface Uses

Wet wood
Dry wood
Wood containing pitch or sap
Green wood
Rough surface hardwood

Details 12 Case

Length 5" (12.7cm)
85496 Marker Holder



106 Holder



Features & Benefits

- Dual design for easy use of two markers for quick marking on multiple surfaces
- Easy-to-adjust locking rings securely hold markers
- Bright yellow color makes for easy on-the-job identification
- Designed for use with the following Markal markers: Lumber crayons 200, 500, Pro-EX®, and carpenter pencils

Industry Uses

Construction
Lumber/timber
Lumber mills

Surface Uses

Lumber/timber
Concrete, stone
Asphalt

Details 12 Case

Length 5" (12.7cm)
85401 Marker Holder



109 Peterson Holder



Features & Benefits

- Adjustable locking ring keeps markers in place during use
- Comfortable leather wrist strap fits over gloves and reduces dropping
- Designed for use with the following Markal markers: SCAN-IT Plus 1/2" (1.3 cm) hex and other hex-shaped Markal markers
- For extended marking distance, a 36" (0.9 m) extension is available for special order

Industry Uses

Lumber/timber
Construction
Lumber grading systems
Shipping supply

Surface Uses

Dry wood
Wood containing pitch or sap
Green wood
Boxes and crates

Details 12 Case

Length 5" (12.7cm)
85490 Marker Holder



112 Peterson Holder



Features & Benefits

- Wooden holder is designed to reduce breakage, extending marker life
- Metal ring securely locks marker in place during use
- Leather wrist strap eliminates dropping
- Designed for use with 11/16" round markers, including the following Markal lumber/timber markers: ULTRASCAN and SCAN-IT Plus

Industry Uses

Lumber/timber
Construction
Lumber grading systems

Surface Uses

Wet wood
Dry wood
Wood containing pitch or sap
Green wood
Rough surface hardwood

Details 12 Case

Length 5" (12.7 cm)
85489 Marker Holder



GENERAL PURPOSE MARKERS

EXCEPTIONAL FLEXIBILITY

From automotive quality control to construction, these markers offer exceptional flexibility and can be used on many different surfaces and in almost any industry.

Engineered to meet the performance needs of industrial users and applications, these markers are an economical and effective marking solution for almost any user.

	TRADES-MARKER®	TRADES-MARKER® WS	China Marker	Carpenters Pencil	Railroad Chalk
PERMANENT					
Metals					
Clean, Dry	⊙		⊙	⊙	⊙
Rough	⊙		⊙		⊙
Rusty	⊙		⊙		⊙
Low Corrosion	⊙				
Plastics					
Clean, Dry	⊙		⊙	⊙	⊙
Rough	⊙		⊙		⊙
Rubber					
Clean, Dry	⊙		⊙		⊙
Rough	⊙		⊙		⊙
Glass, Ceramic					
Clean, Dry	⊙		⊙		
Rough	⊙		⊙		
Brick, Stone					
Clean, Dry	⊙		⊙		⊙
Rough	⊙		⊙		⊙
Painted Surface					
Clean, Dry	⊙		⊙		
Rough	⊙		⊙		
Tile, Polished Stone					
Clean, Dry	⊙		⊙	⊙	⊙
REMOVABLE					
Non-porous Surfaces					
Clean, Dry		⊙			

⊙ Preferred Selection ⊙ Secondary Selection

TRADES-MARKER®

TRADES-MARKER 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.

Features & Benefits

- Great for many surfaces including: smooth, rough, rusty, or dirty surfaces
- Marks are rub- and weather-resistant, leaving a bold, permanent mark
- Marker refills eliminate mess and paper waste of grease pencils, saving time and money
- Holder maximizes complete use of marker
- Durable plastic holder helps prevent breakage and keeps hands and clothing clean
- Push-button advancing makes for easy, one-handed use.

Industry Uses

Construction
Automotive and other transportation
Quality control
Welding
Metal fabrication
Textile

Surface Uses

Steel and iron
Pipes and tubes
Stone
Tile
Ceramics
Lumber
Cloth, fabric (textiles)
Glass
Plastic

Details 24 Case

96000 ○ Assorted

Starter Pack 6 Case

1 Holder/12 Refills

96130 ● White
96131 ● Yellow
96132 ● Red
96133 ● Black
96137 ● Orange

Refill Pack 12 Case

12 Refills
96240 ● White
96241 ● Yellow
96242 ● Red
96423 ● Black
96427 ● Orange



TRADES-MARKER WS

TRADES-MARKER WS 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.

Features & Benefits

- Marks can be easily wiped away with water, ideal for quality control and temporary marking needs
- Great for many surfaces including: smooth, rough, rusty, or dirty surfaces
- Marker refills eliminate mess and paper waste of grease pencils, saving time and money
- Durable plastic holder helps prevent breakage and keeps hands and clothing clean
- Push-button advancing makes for easy, one-handed use.

Industry Uses

Automotive and other transportation
Quality control
Glass
Metal fabrication

Surface Uses

Glass
Plastic
Stone
Non-porous surfaces
Steel and iron
Tile
Ceramics

Details 6 Case

Starter Pack

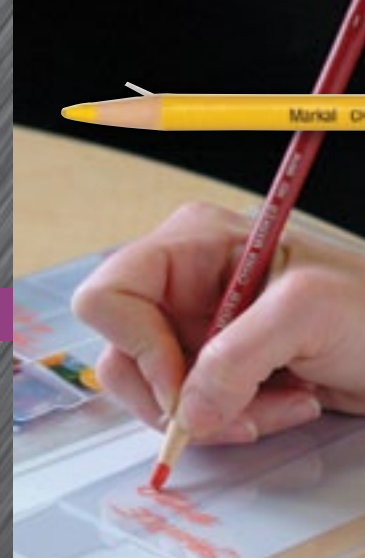
1 Holder/12 Refills

96190 ● White
96191 ● Yellow
96192 ● Black
96193 ● Red

Refill Pack 12 Case

12 Refills
96180 ● White
96181 ● Yellow
96182 ● Black
96183 ● Red





Details 72 Case

- 96010 ● White
- 96011 ● Yellow
- 96012 ● Red
- 96013 ● Black
- 96014 ● Crimson
- 96015 ● Blue
- 96016 ● Green

China Marker

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



Features & Benefits

- Low-cost, general purpose marker for smooth writing on most surfaces
- No sharpening required; pull string and unwrap paper
- High-visibility colors for instant identification
- Moisture-resistant marker, can be used effectively in most climates

Industry Uses

- Automotive and other transportation
- Metal fabrication
- Quality control
- Construction

Surface Uses

- Glass/Ceramics
- Metals
- Cardboard/Paper
- Plastic
- Wood



Details 144 Case

- Length 7" (17.8cm)
- 96927 Hard
 - 96928 Medium
 - 96929 Soft

Carpenters Pencil

Markal® Carpenter Pencils are premium quality wood-cased pencils ideal for marking wood, concrete, and other surfaces. Three lead hardnesses are available to match marking surface needs.



Features & Benefits

- Economical pencil for clean, accurate marks on wood, concrete and other surfaces
- Available in soft, medium, and hard lead to fit the surface needs
- Flat marker design prevents rolling on work tables

Industry Uses

- Lumber/timber
- Construction

Surface Uses

- Wood
- Concrete
- Paper
- Cardboard



Details 576 Case

- Length 4" (10.2cm)
- 80500 ● White
 - 80501 ● Yellow
 - 80502 ● Red
 - 80505 ● Blue
 - 80506 ● Green

Railroad Chalk

Markal Railroad Chalk makes bold and wide temporary marks on most surfaces. Its large diameter, tapered design is easy to hold and is long-lasting.

Features & Benefits

- Large diameter chalk makes bold, wide temporary marks that are easy to read on virtually any surface
- Wide, tapered shape is easy to hold, even with gloves

Industry Uses

- Construction
- Metal fabrication
- Metal production
- Automotive and other transportation
- Lumber/timber
- Tire repair and retreading

Surface Uses

- Steel and iron
- Wood
- Concrete
- Plastic
- Rubber
- Asphalt

markal.com



LA-CO®



MRO AND PVF CHEMICALS

Slic-tite® Paste With PTFE Thread Sealant



Specially formulated with PTFE for added sealing power, Slic-tite is the premium thread sealant paste. It has been successfully used for decades to seal water, air, steam, natural gas, and more. It removes easily from skin and clothing. Slic-tite thread sealant works in extremely high pressure systems, and it comes with several approvals so that the job is completed to code.

Details 24 Case

42009	1/4 pt. BIC
42019	1/2 pt. BIC
42012	1 pt.
42029	1 pt. BIC

12 Case

41209	1/4 pt. BIC
41219	1/2 pt. BIC
42013	1 qt.
42049	1 qt. BIC

4 Case

42014	1 gal.
-------	--------

1 Case

42015	5 gal.
42069	55 gal.

Dozen Display Pack Tubes

42002	24 Case 1-1/2 oz.
-------	----------------------

BIC = Brush in Cap

Features & Benefits

- Contains PTFE for greater sealing power
- Pressures: 3,000 PSI (204 BAR) for gas; 10,000 PSI (680 BAR) for liquid
- Sealing temperature: -50°F to 500°F (-46°C to 260°C)
- Safe, non-toxic, non-drying
- Can be used on variety of metals and plastic, so you only need one thread sealant for many types of jobs
- Washes off hands and clothes easily; less time spent cleaning up
- Do not use on oxygen service; use Oxytite Paste or Slic-tite PTFE Tape

Approvals/Certifications

USDA approved for use in federally inspected meat and poultry plants

UL
CSA
NSF
UPC

FBC™ system compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings. FBC™, FlowGuard Gold®, BlazeMaster® and Corzan® are licensed trademarks of The Lubrizol Corporation.

Surface Uses

Metal
PVC
CPVC
ABS

LEAK-TITE® Blue Thread Sealant



This blue sealant is excellent for sealing water, air, steam, natural gas, refrigerants, gasoline and ammonia. LEAK-TITE Blue is also ideal for use on production lines and fabrication shops.

Details 24 Case

46029	1 pt. BIC
-------	-----------

12 Case

46013	1 qt.
46049	1 qt. BIC

4 Case

46014	1 gal.
-------	--------

1 Case

46015	5 gal.
46069	55 gal.

BIC = Brush in Cap

Features & Benefits

- Pressures: 1,500 PSI (102 BAR) for gas; 5,000 PSI (340 BAR) for liquid
- Sealing temperature: -50°F to 500°F (-46°C to 260°C)
- Contains PTFE particles for greater sealing power
- Will not harden or dry out over time, remains flexible for easy disassembly
- Safe, non-toxic, contains no solvents
- Washes off hands and clothes easily; less time spent cleaning up
- Do not use on oxygen service; use Oxytite Paste or Slic-tite PTFE Tape

Approvals/Certifications

NSF

FBC system compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold, BlazeMaster and Corzan pipe and fittings. FBC, FlowGuard Gold, BlazeMaster and Corzan are licensed trademarks of The Lubrizol Corporation.

Surface Uses

Metal
PVC
CPVC
ABS



Slic-tite® PTFE Thread Tape

Features & Benefits

- Pressure: to 2,000 PSI (136 BAR)
- Sealing temperature: -450°F to 550°F (-268°C to 288°C)
- 4 mils thick and made with PTFE for greater sealing power
- Non-toxic

Approvals/Certifications

UPC
Meets Mil. Spec. T-27730A

Surface Uses

Metal
Stainless steel
PVC
CPVC
ABS

Details 24 Case

44080	● 1/4" x 300"
44081	● 1/4" x 600"
44082	● 1/2" x 300"
44083	● 1/2" x 600"
44084	● 1/2" x 1200"
44085	● 3/4" x 300"
44086	● 3/4" x 600"
44087	● 1" x 300"
44088	● 1" x 600"
44094	● 1/2" x 260" Yellow
44095	● 1/2" x 260" Pink



Pipe Thread Tape of PTFE

Features & Benefits

- Pressure: to 2,000 PSI (136 BAR)
- Sealing temperature: -450°F to 550°F (-268°C to 288°C)
- 3 mils thick and made with PTFE for effective sealing power
- Non-toxic

Approvals/Certifications

Meets Mil. Spec. T-27730A

Surface Uses

Metal
Stainless steel
PVC
CPVC
ABS

Details 144 Case

44070	● 1/4" x 520"
44071	● 1/2" x 260"
44072	● 1/2" x 520"
44073	● 1/2" x 1296"
44074	● 3/4" x 260"
44075	● 3/4" x 520"
44076	● 3/4" x 1296"
44077	● 1" x 260"
44078	● 1" x 520"
44079	● 1" x 1296"

72 Case

47272	● 1/2" x 520"
-------	---------------



Regular Flux



Features & Benefits

- Water soluble paste
- Meets industry standard ASTM B813 and contains no zinc chloride, so your job meets code
- Non-acid, non-toxic, and lead-free
- Cleans pipe upon application
- All-weather formula

Approvals/Certifications

ASTM B813
NSF 61
UPC
Mil. Spec. Mil-F-4995 Type II

Surface Uses

All lead-free and common soft solders
Copper
Brass

Details 48 Case

22101	2 oz.
22104	4 oz.
22194	4 oz. BIC

24 Case

22107	1 lb.
-------	-------

BIC = Brush in Cap



Cool Gel®



Features & Benefits

- Protects components and materials during soldering
- Protects painted and finished surfaces from discoloration due to torch heat
- Clear, non-staining gelled formula sticks to surfaces without dripping or running off
- Safe, non-toxic, harmless to skin and odorless
- Reduces expensive danger of fire to surrounding surfaces

Surface Uses

Metal
Plastics
Valves
Insulation
Drywall and studs
Wood

Details 24 Case

11513	16 oz.
-------	--------

12 Case

11509	32 oz.
-------	--------

Display Box 48 Case

11524	2 oz.
-------	-------



EZ BREAK® Copper Grade Anti-seize

Equipment vulnerable to galling and rust needs protection. The best way to protect your equipment from seizing and corrosion is to use EZ Break Anti-Seize. Simply apply EZ Break to nuts, bolts, and other metal parts, and your equipment will be rust free and easy to maintain.

Details 24 Case

08924 4 oz. BIC
08910 10 oz. BIC
08907 16 oz. BIC

08916 14 oz. Aerosol

08925 8 lbs.

08950 42 lbs.
08969 425 lbs.

BIC = Brush in Cap

Features & Benefits

- Working temperature: to 1800° F (982° C)
- Lubricates and protects nuts and bolts, making disassembly easy, even after years of service
- Resists galling, rust and corrosion so your metal parts won't "freeze up"
- Copper material is easy to use in most general applications

Approvals/Certifications

Meets Mil-PRF-907F
Authorized by USDA for use in federally inspected meat and poultry plants

Surface Uses

Nuts
Bolts
Valves
Flanges
Splines

EZ BREAK® Nickel Grade Anti-seize

Equipment vulnerable to galling and rust needs protection. The best way to protect your equipment from seizing and corrosion is to use EZ Break Anti-Seize. Simply apply EZ Break to nuts, bolts, and other metal parts, and your equipment will be rust free and easy to maintain.

Details 48 Case

08971 8 oz. BIC
08972 16 oz. BIC

08978 42 lbs.

BIC = Brush in Cap

Features & Benefits

- Working temperature: to 2600° F (1427° C)
- Lubricates and protects nuts and bolts, making disassembly easy, even after years of service
- Resists galling, rust and corrosion so your metal parts won't "freeze up"
- Nickel material is excellent for ultra-high temperature applications

Surface Uses

Nuts
Bolts
Valves
Flanges
Splines



Pierce®

Features & Benefits

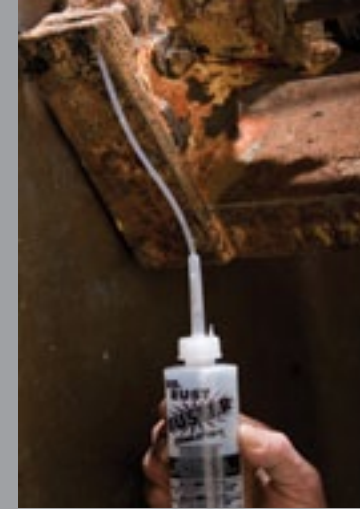
- Penetrates through rust for quick rust removal
- Helps clean metal surfaces by removing tar, grease, and dirt
- Colorless, moisture-repellent film guards against continuing rust and corrosion
- Displaces moisture, lubricates and eliminates squeaks

Surface Uses

Equipment
Tools
Cables
Ignition systems
Threaded parts
All rotating or sliding metal surfaces

Details 24 Case

79711 12 oz.



Rust Buster®

Features & Benefits

- Special telescoping spout lubricates hard-to-reach areas up to 7" away
- Quickly loosens rusted bolts so equipment can be maintained faster and easier
- Safe for skin, clothes, metals and friction-type surfaces - contains no acids, alkali or other harmful ingredients

Surface Uses

Equipment
Tools
Cables
Ignition systems
Threaded parts
All rotating or sliding metal surfaces

Details 24 Case

79706 4 fl. oz.



Zoom Spout® Oiler

Features & Benefits

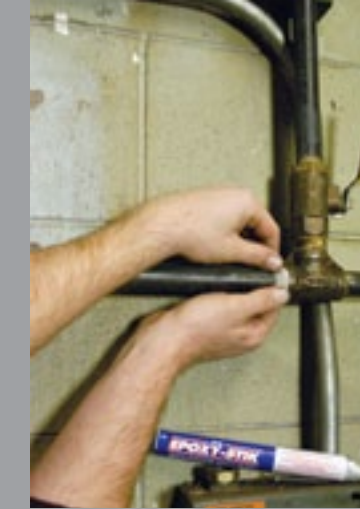
- Special telescoping spout lubricates hard-to-reach areas up to 7" away
- Premium grade, turbine grade oil is excellent for all general purpose lubricating

Surface Uses

Rotating and reciprocating equipment
Bearings
Motors
Slides

Details 24 Case

79704 4 fl. oz.



EPOXY-STIK®

Features & Benefits

- Withstands temperatures up to 250°F (121°C)
- Hardens in 5-10 minutes and cures fully in 24 hours, so your system will be running again in little time
- Can be applied under water for submerged pipe leaks
- After one hour can be drilled, tapped, filed, sawed, sanded and painted - your job can be easily finished in little time

Approvals/Certifications

NSF

Surface Uses

Water systems
Potable water systems

Details 24 Case

Dozen Display Box
19571 4 oz.



Duct Tape

Features & Benefits

- All purpose tape great for duct work and other applications
- Cotton blend cloth backing for better laminating strength

Surface Uses

General purpose

Details 24 Case

44099 2" x 60 Yards

LA-CO Industries, Inc.

Global Headquarters

1201 Pratt Blvd.
Elk Grove Village, IL 60007
USA
Phone (+1) 847.956.7600
Fax (+1) 847.956.9885
customer_service@laco.com
markal.com

Tempil®

LA-CO Industries, Inc.
2901 Hamilton Blvd
South Plainfield, NJ 07080 USA
Phone (+1) 908.757.8300
Fax (+1) 908.757.9273
tempil@tempil.com
tempil.com

European Headquarters

Allée des Combes
PI de la Plaine de l'Ain
01150 BLYES
France
Phone +33 (0) 4 74 46 23 23
Fax +33 (0) 4 74 46 23 29
info@eu.laco.com