

LIQUID PAINT MARKERS

VERSATILE AND RELIABLE

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.

	VALVE ACTION®	SL-100	CERTIFIED VALVE ACTION	SL-250/SL-250PMUC	PRO-LINE® HP	PRO-LINE WP	PRO-LINE XT	PRO-WASH®	SL-130	PRO-LINE FINE/MICRO	PRO-MAX®	SL-400
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
- Durable metal barrel and clip-cap reduce breakage and store easily in pocket
- Marking range: -46°C to 66°C (-50°F to 150°F)

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)

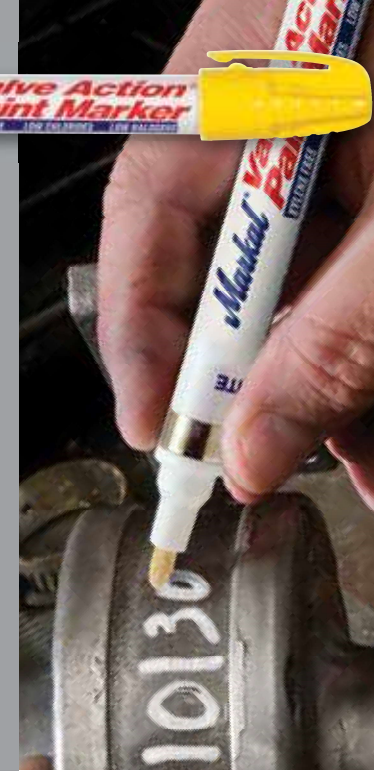


Details



Mark Size 3mm (1/8")

- 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



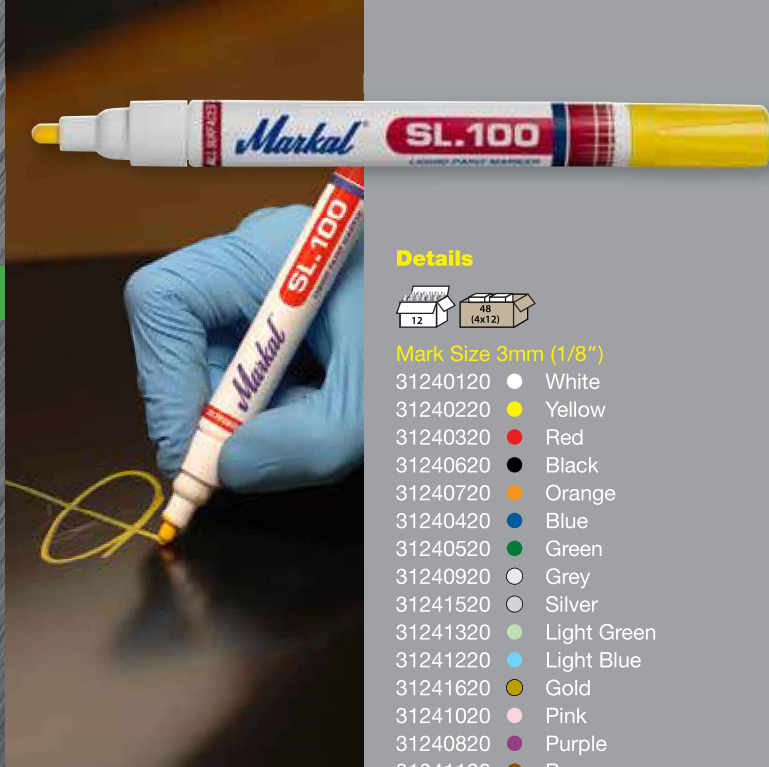
7

LIQUID PAINT MARKERS

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



markal.com



SL. 100

SL.100 is a xylene-free, low-odor fast-drying liquid paint marker that provides long-lasting marks for almost any surface.



Details



Mark Size 3mm (1/8")

31240120	● White
31240220	● Yellow
31240320	● Red
31240620	● Black
31240720	● Orange
31240420	● Blue
31240520	● Green
31240920	● Grey
31241520	● Silver
31241320	● Light Green
31241220	● Light Blue
31241620	● Gold
31241020	● Pink
31240820	● Purple
31241120	● Brown

Features & Benefits

- 15 colors for excellent mark identification, quality control, and parts inspection
- Fast-drying, indelible permanent paint for immediate handling reduces work downtime
- Xylene-free paint reduces user health risks
- Certified for identification marking of Public Collections (Centre de recherche et de restauration des Musées de France)
- Strong medium bullet tip resists wear to provide long marking life
- Marking range: -20°C to 50°C (-4°F to 122°F)
- Mark temperature resistance: up to 100°C (212°F)
- Xylene-free paint reduces user health risks

Industry Uses

Automotive and other transportation
Automotive assembly
Industrial manufacturing
Metal fabrication
Construction
Welding
Shipping supply
Museum and public collections

Surface Uses

Steel and iron
Rubber/Tires
Glass
Plastic
Cloth and fabric (textiles)
Pipes and tubes



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.



Details



Mark Size 3mm (1/8")

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*

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: -46°C to 66°C (-50°F to 150°F)

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

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: -46°C to 66°C (-50°F to 150°F)

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



Mark Size 3mm (1/8")

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

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.

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: -46°C to 66°C (-50°F to 150°F)

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



Details



Mark Size 3mm (1/8")

- 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*

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



markal.com



Details



Mark Size 3mm (1/8")

- 96880 ● White*
- 96881 ● Yellow*
- 96882 ● Red*
- 96883 ● Black*

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

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



Details



Mark Size 3mm (1/8")

- SL.250**
- 31200129 ● White
 - 31200229 ● Yellow
 - 31200329 ● Red
 - 31200629 ● Black
 - 31200429 ● Blue
 - 31200529 ● Green

SL.250 PMUC

- 31600129 ● White
- 31600229 ● Yellow
- 31600329 ● Red
- 31600629 ● Black
- 31600429 ● Blue
- 31600529 ● Green

SL. 250 and SL. 250 PMUC

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. 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.

Features & Benefits

- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- SL.250 : Paint formula confirmed using a typical analysis to contain:
 - 200 ppm total halogens
 - 200 ppm sulfur
- SL.250 PMUC : Each marker is delivered with a batch number and an official certificate with the product shipment.
 - Official PMUC certification:
 - 200 ppm total halogens (chlorides, fluoride, bromide, iodine)
 - 200 ppm sulfur
- Fast-drying, permanent paint for immediate handling reduces work downtime
- Medium bullet tip resists wear to provide long marking life
- Marking Range: -20°C to 50°C (-4°F to 122°F)
- Mark temperature resistance: 100°C (212°F)

Industry Uses

Nuclear-power generation
Ship building and repair
Power generation facilities
Aviation and aerospace
Oil and gas
Welding
Industrial manufacturing
Metal fabrication

Surface Uses

Stainless steel
Alloy and super alloy metals
Alloy metals



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



Fine Mark Size 1.15mm (1/16")

- 96871 ● White
- 96872 ● Yellow
- 96873 ● Black
- 96874 ● Red
- 96875 ● Blue
- 96876 ● Green
- 96877 ● Orange
- 96879 ● Light Green

Micro Mark Size 0.79mm (1/32")

- 96888 ● White
- 96889 ● Yellow
- 96890 ● Black
- 96891 ● Red



Details



Mark Size 5x18mm (9/16")

- 90900 ● White
- 90901 ● Yellow
- 90902 ● Red
- 90903 ● Black
- 90904 ● Orange
- 90905 ● Blue
- 90906 ● Green

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: (-18°C to 66°C) 0°F to 150°F

Industry Uses

Industrial manufacturing
Automotive and other transportation
Signage
Shipping
Construction

Surface Uses

Steel and Iron
Plastic
Cardboard
Glass
Pipes and tubes





SL. 400

SL.400 is a water-based, low-odor liquid paint marker that marks on almost all types of clean surfaces. The 6 opaque, bright colors are weather- and UV-resistant for excellent mark identification.



Details



Mark Size 3mm (1/8")

- 31200137 ● White
- 31200237 ● Yellow
- 31200337 ● Red
- 31200637 ● Black
- 31200437 ● Blue
- 31200537 ● Green

Features & Benefits

- Special water-based paint formula contains no solvents or VOC emissions reducing user safety and environmental concerns
- 6 vibrant colors for excellent mark identification, quality control, and parts inspection on clean surfaces
- Valve-actuated tip releases paint on-demand for smooth, continuous use
- Medium bullet tip resists wear to provide long marking life

- Marking Range: +5°C to 40°C (41°F to 104°F)
- Mark temperature resistance: up to 80°C (176°F)

Industry Uses

Automotive and other transportation
Industrial manufacturing
Metal fabrication
Welding
Shipping supply

Surface Uses

Steel and iron
Plastic
Rubber and tires
Glass
Pipes and tubes
Cardboard



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.

Details



Mark Size 3mm (1/8")

- 97054 ● UV Visible

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: -46°C to 66°C (-50°F to 150°F)

Industry Uses

Industrial manufacturing
Quality control
Security and theft prevention
Construction

Surface Uses

Metal
Plastics
Glass
Pipes and tubes
Ceramics
Tools and equipment

SL. 130



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.

Features & Benefits

- Marks can be easily wiped away with water without leaving a ghost trace or a mark residue
- 10 bright colors including 4 fluos are excellent for temporary mark identification, quality control, and parts inspection
- Medium bullet tip resists wear to provide long marking life
- Valve-actuated tip releases paint on-demand for smooth, continuous use
- Marking Range: +5°C to 40°C (41°F to 104°F)
- Mark temperature resistance: 80°C (176°F)

Industry Uses

Quality control
Automotive aftermarket
Automotive and other transportation
Industrial manufacturing
Metal fabrication
Aviation and aerospace

Surface Uses

Steel and iron
Pipes and tubes
Plates
Alloy and superalloy metals
Non-ferrous metals
Glass
Plastic
Rubber and tires

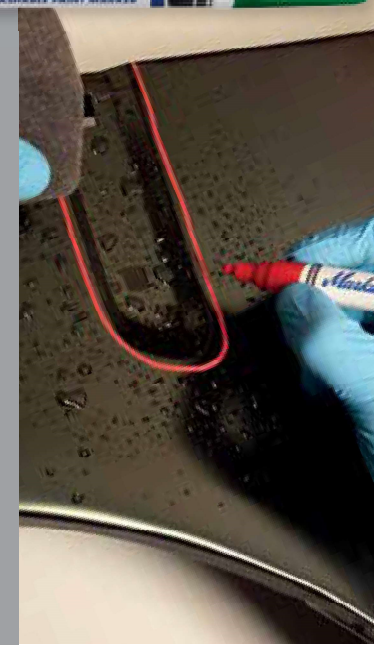


Details



Mark Size 3mm (1/8")

- 31200126 ● White
- 31200226 ● Fluorescent Yellow
- 31200326 ● Red
- 31200626 ● Black
- 31200426 ● Blue
- 31200526 ● Green
- 31201826 ● Fluorescent Green
- 31201926 ● Fluorescent Pink
- 31202026 ● Fluorescent Orange



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.

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: -18°C to 66°C (0°F to 150°F)

Industry Uses

Quality control
Automotive aftermarket
Automotive assembly
Construction
Metal fabrication

Surface Uses

Steel and iron
Glass
Plastic
Pipes and tubes



Details



Mark Size 3mm (1/8")

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



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



markal.com