Markal®

Nissen® by Markal Tempil® LA-CO® ALL-WEATHER®



LA-CO INDUSTRIES

www.markal.com

MARKAL® is the global leader in high-performance, hand-held industrial marking products. From our North American and European manufacturing locations, we 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 globe. This broad network of long-term business partners provides our customers the highest level of service.

Tempil® is an industrial leader in advanced and accurate temperature indication technologies. From protecting NASA's Space Shuttle Orbiter to measuring critical temperatures of life saving drugs and devices, engineers and professional rely on the accuracy of **Tempil®** for the most vital applications. Setting the global standard of innovative, customer-driven solutions, **Tempil®** branded products deliver the surface measurement solutions, when and where customers need the most.

Our **LA-CO®** brand of high-quality, high-performance plumbing and HVAC chemicals is a globally trusted partner for professional contractors. From homes to skyscrapers to the United States' National Archives Building in Washington D.C., **LA-CO®** branded thread sealants, fluxes, heat protection products, and repair sealants protect history's most important documents and maintain the world's most precious natural resources.
We are proud to serve multiple industries with our quality chemical compounds.

The **All-Weather®** brand of livestock marking and identification products is the world's most trusted brand for herd management on dairy and swine farms. Our **All-Weather®** livestock marking products have helped support global increases in herd sizes and have provided low-cost, efficient solutions for animal heat detection, vaccination, insemination, and other high-volume herd management needs.

For almost 85 years, Markal has been proudly manufacturing and supplying the industry's largest line of industrial grade markers. Products listed with these symbols are made either in the USA or in Europe with the highest attention to quality and dependability.

The International Material Data System (IMDS) is the automobile industry's material data system. All materials used for manufacturing automobiles are collected, maintained, analyzed and archived into IMDS. A global standard used by almost all of the global OEMs, IMDS is used to meet the obligations placed on auto manufacturers by national and international standards, including their laws and regulations.

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

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.

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.

-46 °C → 66 °C Marking range

3 MM Mark size

Packaging

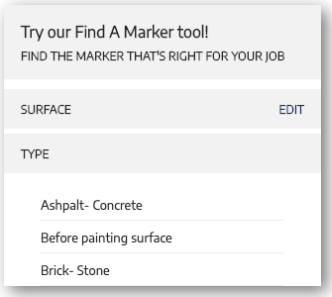
TOP PRODUCTS APPLICATION CHART

	METAL				PLASTICS			RUBBER			GLASS CERAMIC			BRICK STONE			WOOD PAPER		
	Clean, Dry	Oily	Wet	Rusty/Dirty	Clean, Dry	Oily	Wet	Clean, Dry	Wet	Rough/Dirty	Smooth	Rough	Wet	Smooth	Rough	Wet	Raw Lumber	Wet Lumber	Paper/ Cardboard
LIQUID PAINT MARKERS																			
Valve Action Paint Marker	★				★			✓			★			✓			✓		✓
SL.100	★				★			✓			★			✓			✓		✓
PRO-LINE HP	✓	★			✓	★		✓			✓			✓			✓		✓
PRO-LINE WP	✓		★		✓		★	✓	★		✓		★	✓		★	✓		✓
PRO-LINE XT	✓			★	✓			★		★	✓	★		★	★		✓		✓
PRO-WASH	★				★						★			★					
BALL PAINT MARKERS																			
Stylmark	★	★	★	★	✓	✓	✓	★	★	★	✓	★	✓	★	★	★	✓	✓	
SOLID PAINT MARKERS																			
B Paintstik	★		✓	★	✓			★	✓	★	✓	★	✓	★	★	★	★	★	★
Quik Stik & Quik Stik Mini	★			★	✓	✓	✓	★	★	✓	★	★	✓	★	★	★	★	★	★
INK MARKERS																			
DURA-INK	✓				✓						✓	✓					★		★
GENERAL PURPOSE MARKERS																			
TRADES-MARKER	✓			✓	✓			✓	✓	✓	✓	★	✓	★	✓	✓	✓	✓	✓
China Marker	✓			✓	✓			✓	✓	✓	✓	★	✓	★	✓	✓	✓	✓	✓
Trades Marker Dry	✓			✓	✓			✓			✓			✓			✓		★
FM.120				✓								✓		✓	★	✓	★	★	✓
WELDING MARKERS																			
Silver Streak	★	✓	✓	★															
FM400	✓			✓															

★ Primary Choice ✓ Secondary Choice

For online services, try our interactive "Find A Marker Tool" :

- Find the right marker for the job in 5 questions or less.
- Search by industry or surface
- Takes less than 30 seconds
- Product pages have part #'s, images, descriptions, SDS and other supporting materials



Markal.com



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NEW CONCEPT — MARKAL RETAIL PACKS

Markal has always taken pride in being an innovative company, responsive to the market's demands and always keeping an eye on the way our industry evolves. That's why we always work at expanding the diversity of our product range and try to develop smarter solutions for you. Recently we have noted an increasing interest for smaller quantity packaging. We have therefore developed a new concept for the Markal Industrial Marking products: a whole line of "Retail Packs", featuring our most attractive markers in 1 to 5 units.

- The Retail Packs provide valuable information on the front and back, such as application pictures, available colors, areas of application…
- Thanks to the Retail Packs, you can easily stock on new items and see their effect on the market
- The Retail Packs are an effective ready-to-sell solution for online businesses where you usually need smaller quantity packaging. With the new Retail Packs, no need to break a box and repack: you save time as your product is all ready for shipment.
- Your customers are more keen to give Markal products a try since they are not compelled to buy a whole box.
- The Retail Packs are easy and quick to put on your store shelves thanks to European holes.
- The Retail Packs are available for 16 of our best-selling products: showcasing the whole range to your customers can transform their attention into keen interest and boost cross-selling thanks to their eye-catching design.
- The environment friendly cardboard packaging makes it possible for the customer to see and feel the product, and yet a clear and discreet plastic strip makes the products virtually theft-proof.

Solid paint markers — Retail Packs



B PAINTSTIK®

- 22253 : 3 x White ○
- 22254 : 1 x Yellow + 1 x Black + 1 x Red
- 22255 : 1 x Green + 1 x Blue + 1 x Orange
- 22256 : 1 x Pink + 1 x Gold + 1 x Silver

QUIK STIK® MINI

- 22238 : 2 x ○ White + 1 x Yellow + 1 x Red + 1 x Black

Welding or general purpose markers — Retail Packs



TRADES-MARKER® DRY — WELDING

- 96281 : 1 Trades-Marker® Dry + 1 refill pack Silver-Streak®
- 22227 : 1 x refill pack Silver-Streak®
- 22228 : 1 x refill pack Red-Riter®



WELDERS PENCILS

- 22219 : 2 x Silver-Streak®
- 22220 : 1 x Silver-Streak® + 2 x Red-Riter®

SILVER-STREAK® ROUND — P.27

- 22221 : 1 holder Silver-Streak® + 2 refill packs Silver-Streak®
- 22222 : 2 refill packs Silver-Streak®



TRADES-MARKER® DRY — CONSTRUCTION

- 96264 : 1 Trades-Marker® Dry + 1 refill pack mix
- 22223 : 1 refill pack red
- 22224 : 1 refill pack yellow
- 22225 : 1 refill pack graphite
- 22226 : 1 refill pack mix

Ball paint markers — Retail Packs





SCPM

- 22211 : 2 x Red
- 22212 : 2 x Yellow
- 22213 : 2 x Green
- 22214 : 2 x White
- 22215 : 2 x Blue
- 22216 : 2 x Black
- 22217 : 2 x Orange
- 22218 : 2 x Purple

STYLMARK

- 22200 : 2 x Red
- 22201 : 2 x Yellow
- 22202 : 2 x Green
- 22203 : 2 x White
- 22204 : 2 x Blue
- 22205 : 2 x Black
- 22206 : 2 x Orange
- 22207 : 2 x Purple
- 22208 : 2 x Grey
- 22209 : 2 x Pink
- 22210 : 2 x Brown

Liquid paint markers — Retail Packs



SL.100

- 22229 : 2 x White, 2 x Yellow
- 22230 : 1 x White, 1 x Yellow, 1 x Red, 1 x Blue
- 22231 : 1 x White, 1 x Yellow, 1 x Green, 1 x Blue
- 22232 : 1 x White, 1 x Black, 1 x Red, 1 x Orange
- 22233 : 1 x Purple, 1 x Pink, 1 x Gold, 1 x Silver

VALVE ACTION®

- 22234 : 2 x White, 2 x Yellow
- 22235 : 1 x White, 1 x Red, 1 x Blue, 1 x Black

PRO-LINE® HP

- 22236 : 2 x White, 2 x Yellow
- 22237 : 1 x White, 1 x Red, 1 x Blue, 1 x Black

Permanent ink markers — Retail Packs











DURA-INK® 5

- 22241 : 4 x Black
- 22242 : 2 x Black + 1 x Red + 1 x Blue

DURA-INK® 15

- 22239 : 5 x Black
- 22240 : 1 x Black + 1 x Red + 1 x Blue + 1 x Silver + 1 x Green

DURA-INK® 20

- 22251 : 3 x Black
- 22252 : 2 x Black + 1 x Red

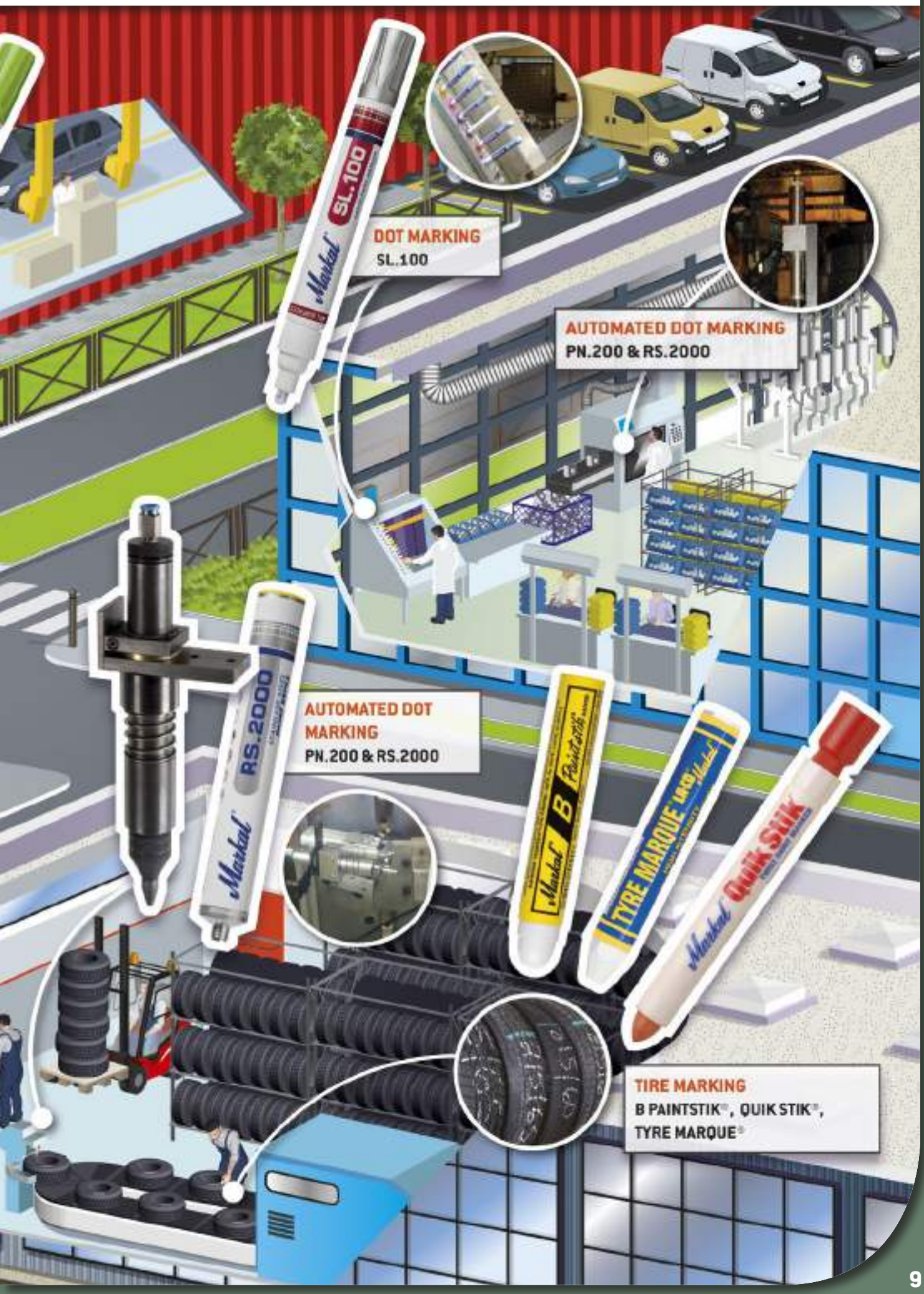
DURA-INK® 55

- 22243 : 2 x Black
- 22244 : 1 x Black + 1 x Red
- 22245 : 1 x Black + 1 x Blue
- 22246 : 1 x Black + 1 x Green

DURA-INK® 60

- 22247 : 2 x Black
- 22248 : 1 x Black + 1 x Red
- 22249 : 1 x Black + 1 x Blue
- 22250 : 1 x Black + 1 x Green

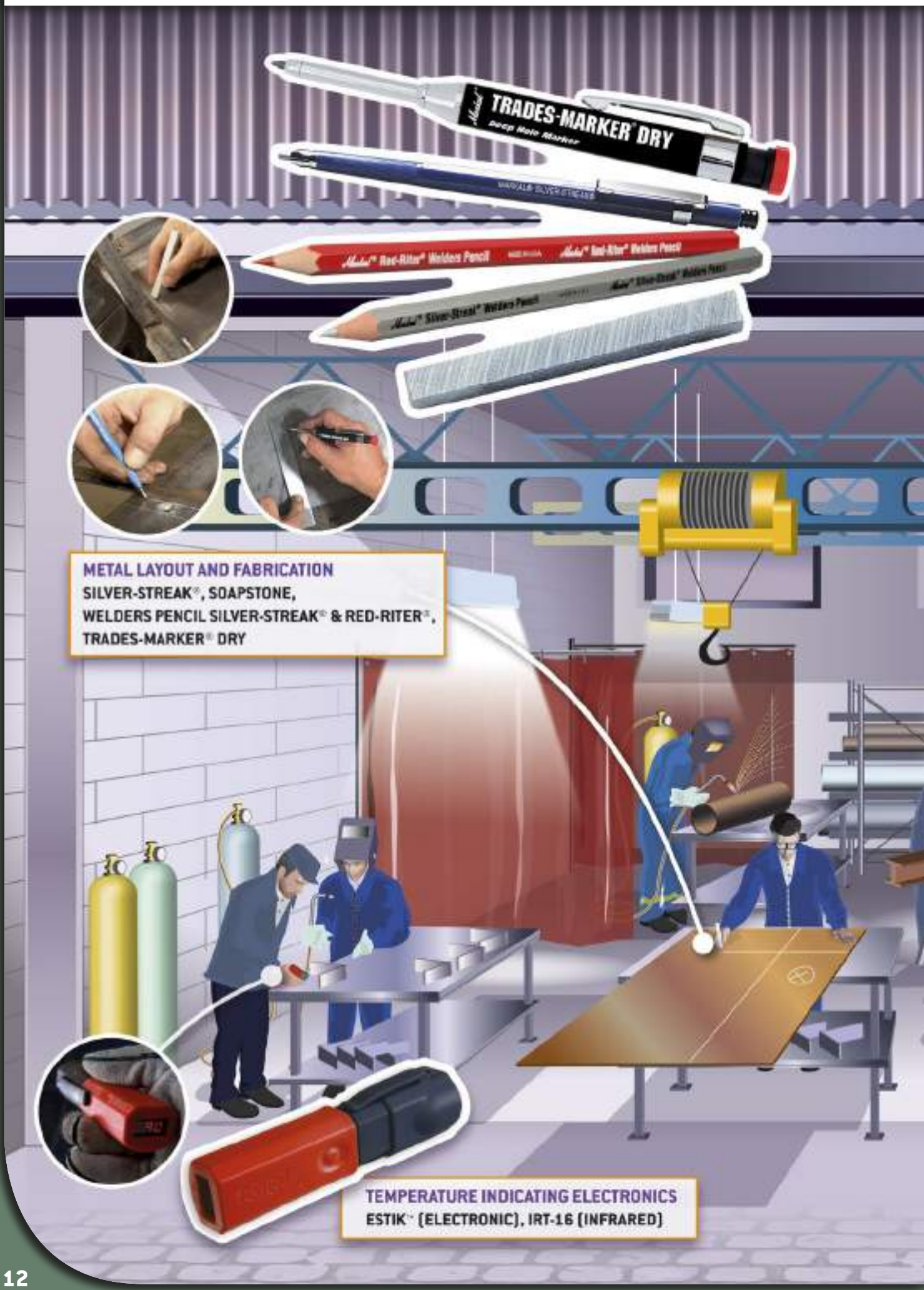

TEMPORARY MARKING
PRO-WASH® W & D, SL.130
QUALITY CONTROL
SL.100, POCKET PAINT MARKER
FOR DIFFICULT SURFACES
(DRY, WET, ROUGH...)
PRO-LINE® HP, PRO-LINE® WP, PRO-LINE® XT

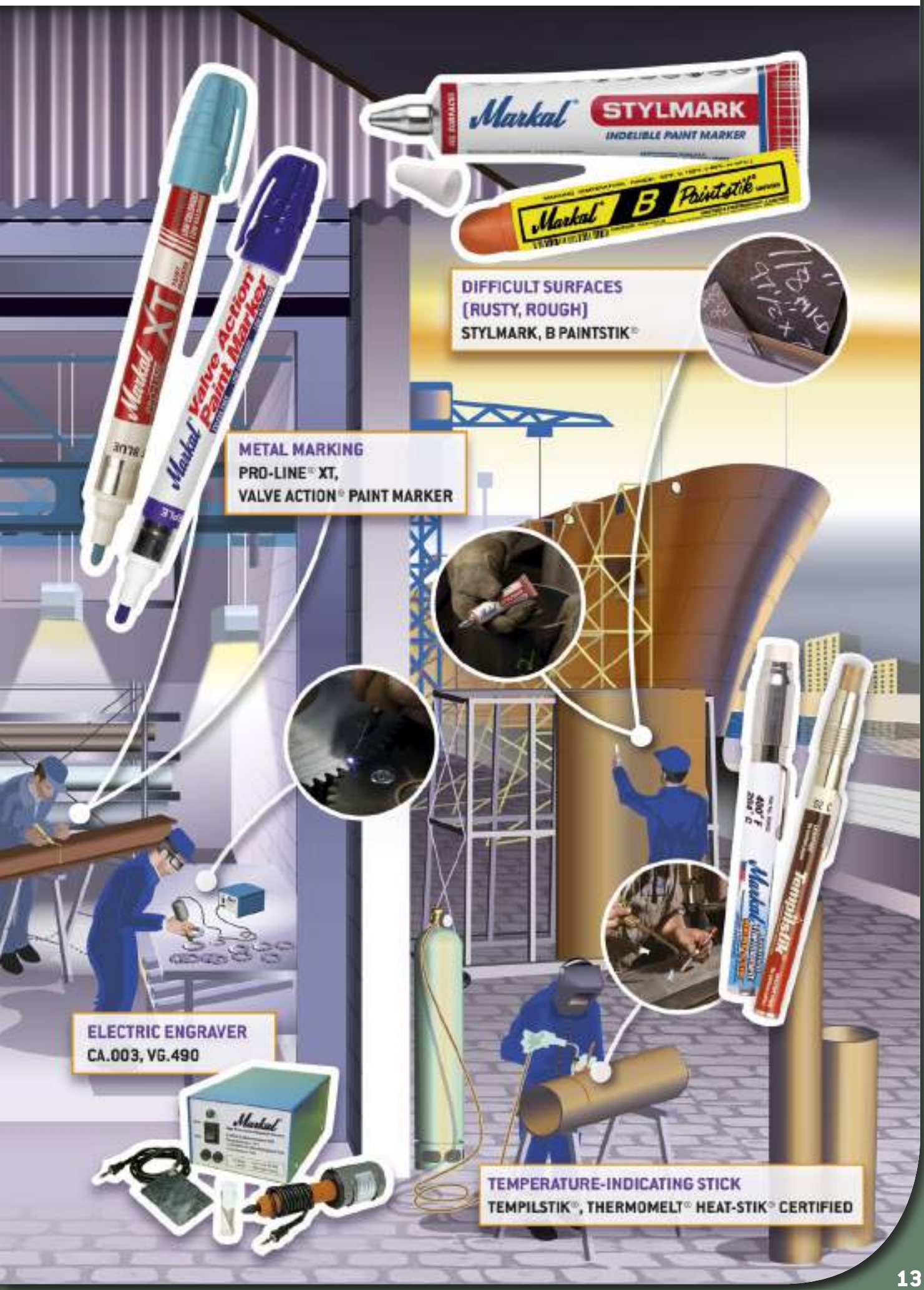

DOT MARKING
SL.100
AUTOMATED DOT MARKING
PN.200 & RS.2000
AUTOMATED DOT MARKING
PN.200 & RS.2000
TIRE MARKING
B PAINTSTIK®, QUIK STIK®,
TYRE MARQUE®


MARKING ON DIFFICULT SURFACES
STYLMARK, QUIK STIK®, B®
Markal STYLMARK
Markal B Paint-Stik
Markal Quik Stik
Markal SECURITY CHECK PAINT MARKER
Markal HP PRO-LINE
MARKING ON OILY SURFACES
PRO-LINE HP


DIRECT VISUAL EXAMINATION AND IDENTIFICATION OF VIBRATORY LOOSENING ON BOGIES, BRAKES, DOORS, PANTOGRAPHS ...
WARRANTY AGAINST TAMPERING ON NUTS
MARKING OF DEFINITIVE SCREW TIGHTENING POSITION
SECURITY CHECK PAINT MARKER
Markal
SECURITY CHECK PAINT MARKER
MARKING ON DIFFICULT SURFACES
STYLMARK, QUIK STIK®, B®
Markal Quik Stik
Markal B Paint-Stik
Markal STYLMARK
templstik
RAIL MAINTENANCE (PREHEATING BEFORE WELDING)
TEMPILSTIK

Markal® Tempil®




Markal STYLMARK
INDELIBLE PAINT MARKER
Markal B Paintstik
DIFFICULT SURFACES
(RUSTY, ROUGH)
STYLMARK, B PAINTSTIK®
Markal XT
Markal Valve Action Paint Marker
METAL MARKING
PRO-LINE® XT,
VALVE ACTION® PAINT MARKER
ELECTRIC ENGRAVER
CA.003, VG.490
Markal
Tempilstik
TEMPERATURE-INDICATING STICK
TEMPILSTIK®, THERMOMELT® HEAT-STIK® CERTIFIED

AGRICULTURE INDUSTRY




POLYVALENT MARKING
B PAINTSTIK®
LUMBER MARKING, AUTOMATIC CUT-OFF
SCAN-IT PLUS®, ULTRASCAN®
MEAT PROCESSING
MEAT MARKER
ALL-WEATHER MEAT MARKER
LA-CO Slic-Tite
Markal SL.100
Markal Quik Stik
LA-CO HEAT-SEAL
INDUSTRIAL MAINTENANCE
SL.100, QUIK STIK®, HEAT SEAL®, SLIC TITE® PASTE...

LIQUID PAINT MARKERS

VERSATILE AND RELIABLE

For over 85 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.

FIND YOUR MARKER

	PERMANENT																															ERASABLE	
	METALS											PLASTICS					RUBBER				GLASS, CERAMIC, BRICK, STONE				TEXTILES, INDUSTRIAL FABRICS	PAINTED SURFACES					TILES, POLISHED STONES			NON-POROUS SURFACES	
	CLEAN, DRY	ROUGH	RUSTY	OILY	WET	LOW CORROSION	NUCLEAR & MILITARY SPECIFICATIONS	ANNEALING	HEAT TREATING	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY	ROUGH	WET	HEAT TREATING	CLEAN, DRY	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY	WET	CLEAN, DRY
VALVE ACTION® PAINT MARKER	◉													◉				◉															
SL.100	◉			◉						◉				◉				◉				◉				◉						
PRO-LINE® HP	◉			◉						◉		◉		◉		◉		◉				◉	◉		◉		◉					
PRO-LINE® WP	◉				◉					◉			◉	◉			◉	◉		◉		◉	◉			◉			◉				
PRO-LINE® XT	◉	◉	◉							◉	◉			◉	◉			◉	◉				◉	◉		◉						
PRO-LINE® HT	◉							◉	◉	◉				◉							◉		◉						◉			
CERTIFIED VALVE ACTION®						◉	◉																									
SL.250 & SL.250 PMUC						◉	◉																									
LOW CORROSION FINE POINT						◉	◉																									
GALVANIZER																															◉	
SL.400	◉									◉				◉				◉				◉				◉			◉			
PRO-LINE® FINE & MICRO	◉									◉				◉				◉				◉				◉			◉			
PRO-MAX	◉									◉				◉				◉				◉				◉			◉			
POCKET PAINT MARKER	◉			◉						◉				◉				◉			◉	◉				◉						
JUMBO	◉									◉				◉				◉			◉	◉				◉						
SUPER FINE METAL MARKER	◉									◉				◉				◉			◉	◉				◉						
SL.130																															◉	
PRO-WASH W & PRO-WASH D																															◉	

◉ Preference ◉ Other choices

VALVE ACTION® PAINT MARKER — Liquid paint marker for general marking



-46 °C → 66 °C | 3 MM

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.



- 14 standards 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 213 concerns in the USA
- 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

DETAILS (12 | 48 (4x12))

96820	○	White*°	96827	●	Gold*°
96821	●	Yellow*°	96828	●	Light green*°
96822	●	Red*°	96830	●	Pink*°
96823	●	Black*°	96832	●	Aluminum*
96825	●	Blue*°	96835	●	Light blue*°
96826	●	Green*°	97050	(F)	Yellow Fluo°
96824	●	Orange*°	97051	(F)	Green Fluo°
96817	●	Purple*°	97052	(F)	Orange Fluo°
96809	●	Brown*°	97053	(F)	Pink Fluo°

199002 VAPM Display (10○+8●+2●+2●+2●+2●+2●+2(F)+2(F)+2(F))



BLISTER (24 (24x1))

96800	○	White*°	96803	●	Black*°
96801	●	Yellow*°	96805	●	Blue*°
96802	●	Red*°	96806	●	Green*°

RETAIL PACKS (1 | 12 (12x1))

22234 2x○ + 2x●
22235 1x○ + 1x● + 1x● + 1x●



SL.100 — Liquid paint marker for general marking



MADE IN EUROPE | -20 °C → 50 °C | 3 MM

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



- 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
- Strong medium bullet tip resists wear to provide long marking life
- Mark temperature resistance: up to 100°C (212°F)

DETAILS (12 | 48 (4x12))

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

199001 SL.100 Display (12○+8●+3●+3●+3●+3●)

KIT (1 | 12 (12x1))

31200120 SL.100 Kit (6 colours) (1○+1●+1●+1●+1●+1●)

RETAIL PACKS (1 | 12 (12x1))

22229 2x○ + 2x●
22230 1x○ + 1x● + 1x● + 1x●
22231 1x○ + 1x● + 1x● + 1x●
22232 1x○ + 1x● + 1x● + 1x●
22233 1x● + 1x● + 1x● + 1x○



PRO-LINE® HP — Liquid paint marker for oily surface marking



-46 °C → 66 °C | 3 MM



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.

- 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



DETAILS

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

199005 HP Display (12○+8●+3●+3●+3●+3●)

RETAIL PACKS

22236 2x○ + 2x●

22237 1x○ + 1x● + 1x● + 1x●

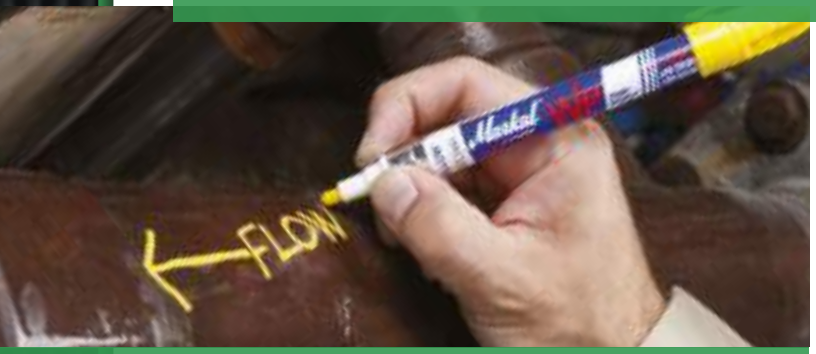




BLISTER

96956	White*°	96958	Red*°
96957	Yellow*°	96959	Black*°

PRO-LINE® WP — Liquid paint marker for wet surface marking



-46 °C → 66 °C | 3 MM



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.

- 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

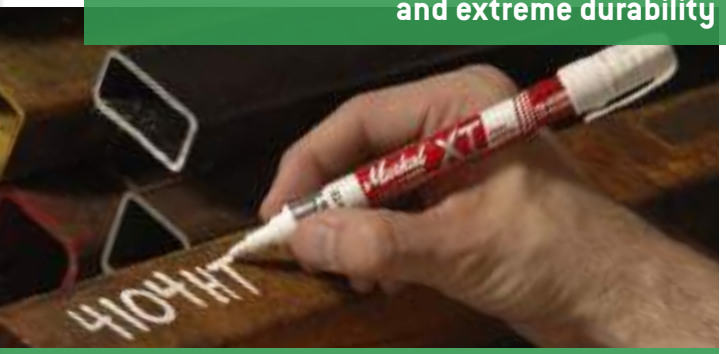
DETAILS

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

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

° MDS

PRO-LINE® XT — Liquid paint marker for rough surfaces and extreme durability



12 | 48 (4x12) | LC | VOC | -46 °C → 66 °C | 3 MM

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

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

- 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

PRO-LINE® HT — Liquid paint marker for high temperature resistance



12 | 48 (4x12) | -46 °C → 66 °C | 3 MM

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



DETAILS

97301	White°	97303	Black°
97302	Yellow°	97305	Blue°

- Fast-drying, liquid paint marker for high temperature resistance
- Engineered with PrismaLock™ technology for long-lasting colors up to 982°C (1,800°F)
- Marking range: -46°C to 66°C (-50°F to 150°F)
- Maximum mark readability (no color)
  - White - 1,148°C (2,100°F)
  - Yellow - 1,148°C (2,100°F)
  - Black - 1,204°C (2,200 °F)
  - Blue - 1,093°C (2,000°F)
- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPS HAPS, and SARA 313 concerns in the U.S.A.

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

° WDS

CERTIFIED VALVE ACTION® — Nuclear pre-certified liquid paint marker



-46 °C → 66 °C | 3 MM

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.



DETAILS

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

- 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

SL.250 & SL.250 PMUC — Liquid paint marker for stainless steel marking

PMUC



-20 °C → 50 °C | 3 MM

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.



DETAILS

SL.250	SL.250 PMUC		
31200129	31600129	○	White*
31200229	31600229	●	Yellow*
31200329	31600329	●	Red*
31200429	31600429	●	Blue*
31200529	-	●	Green*
31200629	31600629	●	Black*

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

- 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
- Mark temperature resistance: 100°C (212°F)

LOW CORROSION FINE POINT PAINT MARKER — Low corrosion fine point paint marker



12 | 48 (4x12) | LC | -29 °C → 55 °C | 1 MM

NEW PRODUCTS

Nissen® by Markal

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



DETAILS

28780 ● Black*

- Fast-drying paint formula is safe for use on stainless steel and eliminates concerns regarding corrosion, degradation, or pitting
- Durable plastic precision nib for fine line marking
- Typical properties:
  - < 200 ppm chlorides and total halogens
  - < 250 ppm each low melting point metals
  - < 250 ppm sulfur
- Xylene-free paint reduces user health risks
- Durable metal barrel reduces breakage

GALVANIZER'S REMOVABLE MARKER — Removable Paint Marker for Galvanizing



12 | 48 (4x12) | -29 °C → 55 °C | 3 MM

NEW PRODUCTS

Markal Galvanizer's Removable Paint Marker is designed for fabricators for making durable marks on steel during fabrication. The marks are then designed to be removed completely for galvanizers during the pickling process prior to galvanizing. This eliminates the need for any extensive, expensive, time consuming touch-up work.



DETAILS

28785 ○ White*

28786 ● Yellow*

- Durable paint marks during fabrication. Marks are removed completely during the pickling process.
- More marks per marker - more than 2x longer write-out vs leading competitor
- Fast drying and xylene Free
- Weather resistant paint formula
- Durable acrylic nib marks on smooth, rough and rusty metal surfaces
- Medium bullet tip nib makes precise marks

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



-46 °C → 66 °C

VALVE ACTION® PAINT MARKER ULTRA VIOLET®

Liquid paint marker visible in UV light

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.

- Makes clear, invisible marks that illuminate bright blue when viewed with an ultrapurple 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

DETAILS

97054 UV Visible °

° MDS

3 MM





5 °C → 40 °C

SL.400 — Water-based liquid paint marker for general marking

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.

- 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
- Mark temperature resistance: up to 80°C (176°F).

DETAILS

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

3 MM







-20 °C → 50 °C

PRO-LINE® FINE & PRO-LINE® MICRO — Liquid paint markers for fine line marking

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.

- Available in fine and micro tip sizes for precise, permanent paint marking
- Offered in 2 sizes: fine 1.5 mm (1/16") and micro 0,8 mm (1/32")
- 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.

DETAILS

FINE	MICRO	
96871	96888	White
96872	96889	Yellow
96873	96890	Black
96874	96891	Red
96875	-	Blue
96876	-	Green
96877	-	Orange
96878	-	Lime

MICRO 0,8 MM

FINE 1,5 MM





-20 °C → 50°C

PRO-MAX® — Extra-large liquid paint marker

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.

- 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

DETAILS

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

<5-14> MM





-20 °C → 50 °C

POCKET PAINT MARKER Indelible Pocket paint marker with Reversible Nibs (chisel/flat bullet point)

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

- 6 colors for high visibility, 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
- Strong reversible nib resists wear to provide long marking life
- Tip can be either chisel for broad or thin marks, or flat-bullet for dot-marking
- Marking size: chisel (10mm or 3mm), flat-bullet (10mm dot)
- Convenient pocket size marker: 11,7cm long x 2,5cm in diameter

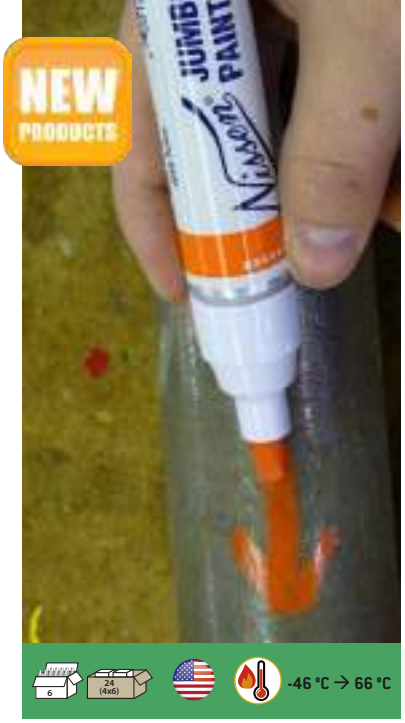
DETAILS

97500	White
97501	Yellow
97502	Red
97503	Black
97505	Blue
97504	Green

CHISEL 10 MM 3 MM

FLAT BULLET 10 MM









JUMBO FELTIP PAINT MARKER — Liquid paint marker with extra-large tip

The Jumbo Feltip Paint Marker uses high-gloss enamel paint and an extra-large tip for large, easy-to-read marks. The bright, fast-drying paint is easy-to-see to makes wear-, weather- and UV-resistant on almost any surface.

- Jumbo-sized tip for extra-bold and easily-visible marks
- Fast-drying enamel paint is wear-, weather, and UV-resistant for long life
- Available in four bright, easy-to-see colors for improved mark identification, quality control, and parts inspection

Nissen® by Markal

8 MM

DETAILS

28790	○	White
28791	●	Yellow
28793	●	Black
28792	●	Red



SUPER FINE METAL MARKER — Steel tip marker for fine line marking

The Super Fine Metal Marker's non-clogging, stainless steel tip makes precise marking easier and has the durability to stand up to hard, rough, and dirty surfaces. The industrial strength paint is available in five bright, easy-to-see colors and marks on almost any surface. Control the amount of paint by squeezing the flexible barrel, and can be carried in your pocket or toolbox without leaking or spilling.

- Super-fine, stainless steel tip won't clog for precise, permanent paint marking
- High-strength, flexible barrel for full control over how much paint to write with
- Available in five bright, easy-to-see colors for improved mark identification, quality control, and parts inspection
- Fast-drying, permanent paint for immediate handling reduces work downtime
- Stainless steel tip marks on rusty, rough, or dry surfaces
- Dry Time: 1 to 2 minutes

Nissen® by Markal

DETAILS

28840	○	White
28841	●	Yellow
28842	●	Red
28843	●	Black
28844	Ⓕ	Orange Fluo
28845	○	White (blister)
28846	●	Yellow (blister)



SL.130 — Removable liquid paint marker for temporary marking



12 | 48 (4x12) | MADE IN EUROPE | VOC | 3 MM | 5 °C → 40 °C

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.



DETAILS

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

- Marks can be easily wiped away with water without leaving a ghost trace or a mark residue
- 9 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
- Mark temperature resistance: 80°C (176°F)

PRO-WASH® — Removable liquid paint markers



12 | 48 (4x12) | 3 MM | -18 °C → 66 °C

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

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

- 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

BALL PAINT MARKERS

BRIGHT, PRECISE AND PERMANENT

For over 40 years, Markal® has manufactured in its French location the best quality tube marker. With its steel ball tip pressed on a heavy-duty aluminum squeeze tube, and its thick and bright paint, these markers are suitable for most industrial applications. They will be your preferred marker where a bright and precise marking has to be done on a rough, wet or oily surface with a long lasting, UV and water -resistant paint.



	STYLMARK®	SECURITY CHECK PAINT MARKER	ST.2100 & PMUC	SOLID BARREL METAL MARKER	HT.1000	BALL PAINT MARKER
METALS						
CLEAN, DRY	◉	◉	◉	◉		◉
ROUGH	◉	◉	◉	◉		◉
RUSTY	◉	◉	◉	◉		◉
OILY	◉	◉	◉	◉		◉
WET	◉	◉	◉	◉		◉
LOW CORROSION			●			
NUCLEAR & MILITARY SPECIFICATIONS			●			
ANNEALING, HEAT TREATING					●	
PLASTICS						
CLEAN, DRY	◉	◉	◉	◉		◉
ROUGH	◉	◉	◉	◉		◉
OILY	◉	◉	◉	◉		◉
WET	◉	◉	◉	◉		◉
RUBBER						
CLEAN, DRY	◉	◉	◉	◉		◉
ROUGH	◉	◉	◉	◉		◉
OILY	◉	◉	◉	◉		◉
WET	◉	◉	◉	◉		◉
GLASS, CERAMIC						
CLEAN, DRY	◉	◉	◉	◉		◉
ROUGH	◉	◉	◉	◉		◉
WET	◉	◉	◉	◉		◉
BRICK, STONE						
CLEAN, DRY	◉	◉	◉	◉		◉
ROUGH	◉	◉	◉	◉		◉
POLISHED & WET (EX : MARBLE)					●	
TEXTILES						
ROLL BEFORE PRINTING					●	

◉ Preference ◉ Other choices

FIND YOUR MARKER

STYLMARK — Ball tube marker for multiple surfaces



-20 °C → 70 °C | 2 MM | 3 MM | 6 MM

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.

- 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
- Offered in 3 sizes: 2mm, 3 mm and 6 mm for varied mark thickness
- 11 bold, bright paint colors are weather-, water-, and UV-resistant
- Unique paint designed to not drip on vertical or overhead surfaces
- Mark temperature resistance: 200°C (392°F)



DETAILS 2MM	3 MM	6MM	RETAIL PACKS (2 BY PACK)	
96640	96652	96664	22203	White ○
96641	96653	96665	22201	Yellow ○
96642	96654	96689	22200	Red ○
96644	96657	96682	22204	Blue ○
96645	96658	96683	22202	Green ○
96643	96655	96667	22205	Black ○
96646	96656	96684	22206	Orange ○
96649	96660	96687	22207	Purple ○
96650	96662	96688	22208	Grey ○
96648	96659	96686	22209	Pink ○
96647	96661	96685	22210	Brown ○

199014 Stylmark Display (5○+5●+2●)







From the 1st January 2019, La-Co Industries Europe is offering more environment-friendly packaging solutions. By replacing our Ball Tube Paint Markers' polystyrene packaging with cardboard unit box packaging, we choose to offer a solution which is both more practical and gives more added-value to our customers.



ST.2100 & ST.2100 PMUC — Ball tube marker for stainless steel marking



-20 °C → 70 °C | 2 MM | 3 MM | 6 MM

Markal® ST.2100 is a metal-ball tip marker that meets European nuclear requirements. The low sulfur and low chloride content allows for safe marking on stainless steel. The aluminum squeeze tube and thick paint makes it suitable for vertical and overhead surfaces.



- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- Paint formula confirmed using a typical analysis to contain:
  - < 200 ppm total halogens
  - < 200 ppm sulfur
- 6 low sulfur and low chloride paint colors are weather-, water-, and UV-resistant
- Unique paint designed not to drip on vertical or overhead surfaces
- Mark temperature resistance: 200°C (392°F)

DETAILS

2MM	3MM / 3MM PMUC	6MM		
97150	97160 / 97360	97170	○	White
97151	97161 / 97361	97171	●	Yellow
97152	97162 / 97362	97172	●	Red
97154	97164 / 97363	97174	●	Blue
97155	97165 / -	97175	●	Green
97153	97163 / 97364	97173	●	Black



HT.1000 — Ball tube marker for annealing and heat-treating



-20 °C → 70 °C | 3 MM | 6 MM

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



- High temperature paint is ideal for welds, ingots, castings, forgings, and other annealed parts
- Paint withstands temperatures up to 1000°C
- Permanent paint marks will not rub off, allowing for long-lasting identification
- Durable steel ball tip marks with indelible paint on rough or smooth surfaces
- Offered in 2 sizes: 3 mm and 6mm for varied mark thickness
- High-performance paint designed not to drip on vertical or overhead surfaces

DETAILS

3MM	6MM		
96700	96702	○	White
96701	96703	●	Yellow



SECURITY CHECK PAINT MARKER — Torque Paint Marker





PLASTIC TIP: Designed to provide the possibility of various marking sizes. It also increases the precision of the marking simply by screwing the nozzle on the head of the marker. Thanks to its length (5cm), the marker's head is extended by 3 cms, offering easy access to hard-to-reach areas.



-20 °C → 70 °C

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

- High visibily paint for a fast and easy visual check : security indicator or tamper-evident seal on assemblies facilitating detection of any accidental or malicious adjustment movement
- Paint free of heavy metals for a safe use on metal and for the user
- Effective volume superior compared with other products in the market (50 ml paint) for a longer period of use and reduced work downtime
- Mark temperature resistance: 200°C (392°F)



DETAILS		RETAIL PACKS (2 BY PACK)		
96668	○	22214	○	White °
96669	○	22212	○	Yellow °
96670	○	22211	○	Red °
96671	○	22215	○	Blue °
96672	○	22213	○	Green °
96673	○	22216	○	Black °
96674	○	22217	○	Orange °
96675	○	22218	○	Purple °



96676 Plastic tips (pack of 12)

199013 Security Check Paint Marker Display (3○+3○+2○+ 1○+1○+1○+1○)









SOLID BARREL METAL MARKER — Metal-tipped, pressurized liquid paint marker



12 | 48 (4x12) | -46 °C → 66 °C | 3 MM

The Solid Barrel Metal Marker features a durable aluminum barrel and pump mechanism to effortlessly dispense the perfect amount of paint for precise, permanent marks. The durable, stainless steel tip is specially designed to withstand rough, dirty surfaces while the high-gloss paint make the durable marks easy-to-see.



DETAILS

28710	○	White
28711	●	Yellow
28712	●	Red
28713	●	Black
28714	●	Blue
28715	●	Green

- Unique pump mechanism for smooth paint flow
- Available in six bright, easy-to-see colors for improved mark identification, quality control, and parts inspection
- Ideal for marking on difficult surfaces; hard, rough, rusty, and dirty
- Metal barrel and steel tip provide durability for longer marking life
- Weather-, wear- and UV-resistant paint for long-lasting mark

BALL PAINT MARKER® — Metal roller ball marker for multiple surfaces



12 | 48 (4x12) | LC | -46 °C → 66 °C | 3 MM

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.

DETAILS

84620	○	White*
84621	●	Yellow*
84622	●	Red*
84623	●	Black*

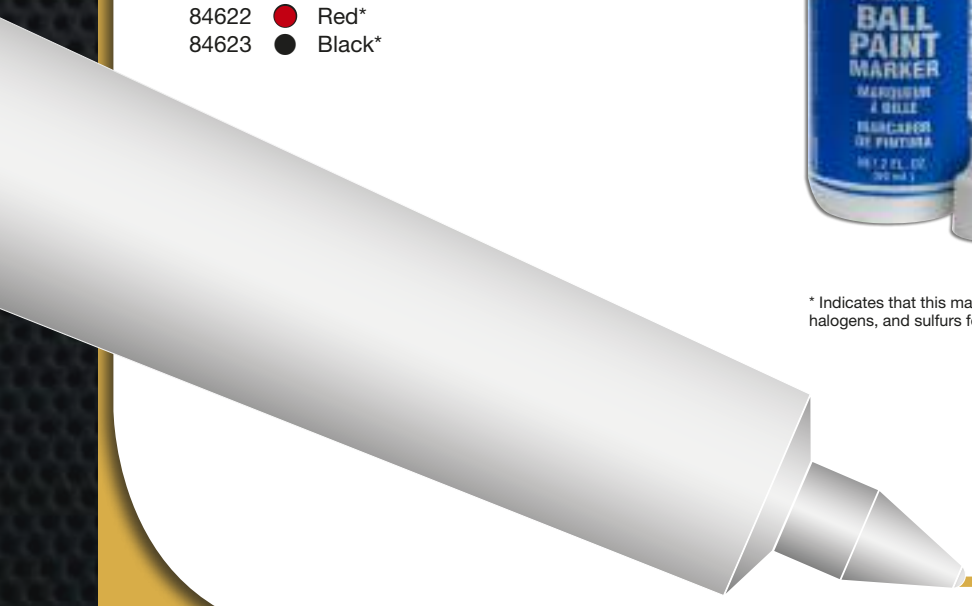
BLISTER (1 | 24 (24x1))

84600	○	White
84601	●	Yellow



- Durable metal-ball tip resists wear and clogging for long-marking life on rough surfaces
- Non-drip paint formula allows for easy job-site marking
- Industrial paint withstands harsh environments and weather conditions
- Sturdy plastic bottle with 3 mm (1/8") steel ball tip
- Plastic cap keeps tip clean between jobs
- For low corrosion (low chlorides/halogens) applications

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



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.



FIND YOUR MARKER

	PERMANENT																																	ERASABLE	
	METALS									PLASTICS					RUBBER					GLASS, CERAMIC				BRICK, STONE				BEFORE PAINTED SURFACE		NO BLEED-THROUGH	PAINTED SURFACES					NON-POROUS SURFACES	
	CLEAN, DRY	ROUGH	RUSTY	OILY	WET	ANNEALING, HEAT TREATING	LOW CORROSION	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY	ROUGH	WET	CLEAN, DRY	ROUGH	WET	BLEED-THROUGH PAINT	CLEAN, DRY	ROUGH	OILY	WET	CLEAN, DRY
B® PAINTSTIK®	◉	◉	◉	◉	◉	◉	○	◉	◉		◉	◉	◉		◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	
B-E® PAINTSTIK®		○	○					○	○				○				○	◉		○	◉			○				○							
B-L®/ BLW® PAINTSTIK®	○	◉						◉	◉													○													
F® PAINTSTIK®	◉	○	○	○				◉	○			◉	○										◉	◉	◉	◉		◉	○		◉				
M® / M-10® PAINTSTIK®	◉	◉				○		◉	◉																										
N® PAINTSTIK®	◉	◉						◉	◉																				◉						
P® PAINTSTIK®																																		◉	
WS-3/8® PAINTSTIK®																																		◉	
Lacquer-Stik® PAINTSTIK®	◉							◉								◉	◉		◉																
Tyre Marque® PAINTSTIK®												◉	◉		◉																				
Zephyr® PAINTSTIK®																																		◉	
QUIK STIK®	◉	◉	◉	◉	◉			◉	◉		◉	◉	◉		◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉		
QUIK STIK® MINI	◉	◉	◉	◉	◉			◉	◉		◉	◉	◉		◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉		
SOLID PAINT MARKER®	◉	◉	◉	◉	◉			◉	◉		◉	◉	◉		◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉	◉		
SOLID PAINT MARKER® LOW CORROSION							○																												

◉ Preference ◉ Other choices

B® PAINTSTIK® — Multi-purpose permanent solid paint crayon



-46 °C → 66 °C | 17 MM

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.



- 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
- Easy-to-hold, recyclable paperboard holder protects Paintstik® for maximum use
- Weather- and UV-resistant for long-lasting marks

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

DETAILS

80220	○	White*	80227	●	Pink
80221	●	Yellow	80228	●	Purple
80222	●	Red	80229	●	Brown
80223	●	Black	80230	●	Grey
80224	●	Orange	80231	●	Gold
80225	●	Blue			
80226	●	Green			

RETAIL PACKS

22253	3x○
22254	1x● + 1x● + 1x●
22255	1x● + 1x● + 1x●
22256	1x● + 1x● + 1x○



B-3/8 9,5 MM

80420	○	White	80421	●	Yellow

B-HEX 12,7 MM

80250	○	White	80251	●	Yellow



199012 — B® Paintstik® display: 12x● + 6x● + 2x● + 2x● + 2x● + 1x●

B-E® PAINTSTIK® — For marking very rough surfaces



-46 °C → 66 °C | 17 MM

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.

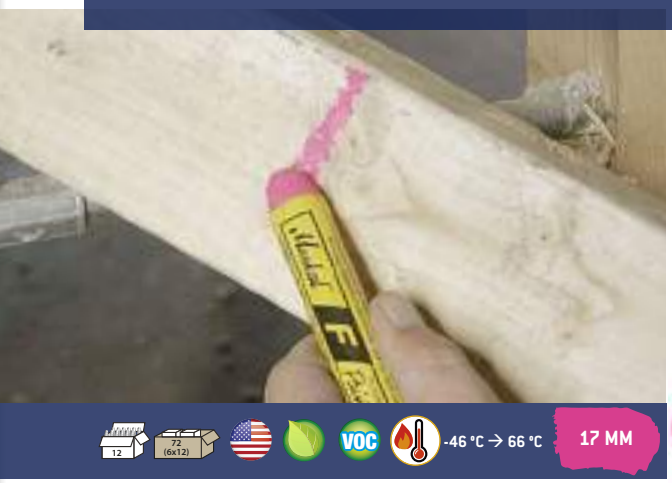


- Soft solid paint for easier marking on rough or colder surfaces
- Marks withstand prolonged immersion in water for long mark life
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use
- Weather- and UV-resistant

DETAILS

80620	○	White	80622	●	Red
80621	●	Yellow	80623	●	Black

F® PAINTSTIK® — Solid paint crayon in fluorescent colors



12 | 72 (6x12) | VOC | -46 °C → 66 °C | 17 MM

A solid paint crayon that contains bold, fluorescent colors to create high-visibility marks. The F® Paintstik® is ideal for instant identification especially in low light conditions.



DETAILS

82831	F	Yellow Fluo	82835	F	Blue Fluo
82832	F	Red Fluo	82836	F	Green Fluo
82834	F	Orange Fluo	82842	F	Pink Fluo

- Vibrant colors for improved visibility
- Fluorescent marks glow under UV or black light
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use

M® & M-10® PAINTSTIK® — Solid paint crayon for annealing and heat-treating



12 | 144 (12x12) | VOC | 17 MM

Ideal for annealing and heat-treating operations, the M® and M-10® Paintstiks mark at room temperature and withstand temperatures up to 982°C (1800°F).



DETAILS

M®

81920	○	White
81921	○	Yellow
81922	○	Red
81923	○	Black

M-10®

82020	○	White

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



N® PAINTSTIK® —
Marks will not show through top coat of paint or primer

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

- Marks will not show through top coat of primer or finished layer of paint
- Ideal for ship building or other metal fabrication
- Solid paint formula designed for marking on wet, dry, oily, rusty, icy, smooth, or rough surfaces
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use



P® PAINTSTIK® —
Marks are removed in the galvanizing process

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.

- 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
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use



LACQUER-STIK® —
Solid paint crayon for filling-in stamped or engraved lines

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

- Highlighter, fill-in paint provides bold, bright colors for even the smallest engravings
- 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 260°C (500°F)
- Meets U.S.A. federal specification TT-F-325a I and MIL-STD 171, Finish No. 30.1.1, Type I

DETAILS
82120 ◯ White



17 MM

DETAILS
83420 ◯ White



17 MM

DETAILS
51120 ◯ White
51121 ◯ Yellow
51122 ◯ Red
51123 ◯ Black
51131 ◯ Gold



READ ABOUT OUR ENGRAVERS P.57

WS-3/8® PAINTSTIK® — Water-soluble, removable solid paint crayon



12 | 144 (12x12) | VOC | -46 °C → 66 °C | 9,5 MM

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

82420	White	82422	Red
82421	Yellow	82423	Black

- Water soluble for easy removal before production or finishing
- Smaller diameter for finer line marking
- Ideal for temporary marking on non-porous surfaces
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use

ZEPHYR® PAINTSTIK® — Wear-resistant, water-soluble solid paint crayon



12 | 144 (12x12) | VOC | -46 °C → 66 °C | 17 MM

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.



DETAILS

51321 Yellow

- 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
- Easy-to-hold, recyclable paperboard holder protects Paintstik® for maximum use

QUIK STIK® & QUIK STIK® MINI — Fast-drying solid paint in twist-up holder



VOC | -18 °C → 200 °C | QUIK STIK® 17 MM | QUIK STIK® MINI 6 MM

Quik Stik® & Quik Stik Mini® are smooth-marking solid paint crayons that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker.



- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- 20% more paint than other brands, more marks for the money
- 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

DETAILS

QUIK STIK®	QUIK STIK® MINI		QUIK STIK®	QUIK STIK® MINI	
61051	61126	○	61071	-	●
61053	61127	●	61073	-	●
61049	61128	●	61041	-	Ⓕ
61050	61129	●	61043	-	Ⓕ
61070	-	●	61044	-	Ⓕ
61069	-	●	61042	-	Ⓕ

PACK FLUO
61045 1xⒻ + 1xⒻ + 1xⒻ + 1xⒻ

RETAIL PACKS
22238 2x○ + 1x● + 1x● + 1x●



DISPLAY : QUIK STIK®
199004 10○ + 8● + 2● + 2● + 2● + 1●

QUIK STIK® MINI
199003 12○ + 12● + 10● + 10●



SOLID PAINT MARKER (STANDARD AND LOW CORROSION) — Solid paint in durable holder



LC | -46 °C → 66 °C | 6 MM

Specially formulated to make long lasting, smooth marks on a variety of surfaces. Durable plastic barrel protects from breakage and the bright, easy-to-see marks won't chip, peel, fade, or rub off.
The LOW CORROSION formula is engineered to be low in chlorides, all other halogens, and sulfur, the Low Corrosion Solid Paint Marker will not contribute to unwanted corrosion, degradation, or general weakening to stainless steel and various other alloy metals for use in highly sensitive equipment.

DETAILS

STANDARD	LOW CORROSION		
28770	28760	○	White
28771	28761	●	Yellow
28772	28762	●	Red
28773	28763	●	Black
28774	-	●	Blue
28775	-	●	Green
28776	-	Ⓕ	Yellow fluo



- Industrial-strength paint dries quickly for long-lasting, permanent marks
- Solid paint marker easily advances for paint on demand
- Marks on virtually any surface: wet, smooth, or rough
- Airtight, self-storing cap keeps the marker clean and fresh between uses
- Available in seven bright, easy-to-see colors
- Weather- and UV-resistant paint for long-lasting mark
- Cured marks will withstand temperatures in excess of 500 °F (250 °C)
- Dry Time: 1 minute
- LOW CORROSION, properties :
  - 200 ppm chlorides and total halogens
  - 250 ppm each low melting point metals
  - 250 ppm sulfur

SOLID PAINT MARKERS - HOT SURFACES

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



H® PAINTSTIK®
Hot surface marker

107 °C → 593 °C
225 °F → 1100 °F



HT® PAINTSTIK®
Red-hot surface marker

204 °C → 871 °C
400 °F → 1600 °F



HT-34® PAINTSTIK®
Red-hot surface marker

204 °C → 982 °C
400 °F → 1800 °F



HT-40® PAINTSTIK®
King size red-hot surface marker

177 °C → 927 °C
350 °F → 1700 °F

REAL PAINT FOR HIGHLY VISIBLE & RESISTANT MARKS

Ideal for marking coils, billets, plates, castings and forgings, Markal®'s Solid Paint Markers for hot surfaces provide long-lasting marks wich will not run, char, discolor, peel, or crack.

The industry original, Markal® H® Paintstik® hot surface solid paint marker is a high temperature metal marker used in steel mills to mark on hot surfaces (107°C to 593°C)

- Forgings and parts can be immediately dipped into cold water baths without damaging the marks
- Can be removed in pickling baths

Designed for marking red-hot surfaces (204°C to 871°C), the HT® Paintstik® hot surface solid paint marker withstands the rigors of steel production. Available in 6 bold colors, the durable weather- and fade-resistant marks will not run, char, flow, discolor, peel or crack.

- Lasts longer, up to 6X the writing life of competitive hot chalk
- Fast-drying marks are not damaged during handling or when immersed in cold water baths

HT-34 Paintstik hot surface solid paint marker writes on red-hot steel surfaces (204°C to 982°C). Long-lasting, weather- and fade-resistant paint provides bright, identifiable white marks in steel production.

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

HT-40 Paintstik hot surface solid paint crayons mark easily on red-hot surfaces (177°C to 927°C). The extra-wide paint marker is easy to hold, even with gloves.

- Extra-wide hot surface marker lasts longer than competitive hot chalk, for extended writing life
- Durable marks will not run, char, flow, discolor, peel or crack
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use

DETAILS

81020	○	White
81021	○	Yellow
81022	○	Red
81023	○	Black
81025	○	Blue
81026	○	Green

9,5 MM



DETAILS — **KING SIZE 19 MM**

81210 ○ White

9,5 MM

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



DETAILS — **KING SIZE 19 MM**

84710 ○ White

9,5 MM

84720 ○ White



DETAILS

81610 ○ White

KING SIZE 19 MM





HT-75® PAINTSTIK® — White-hot surface marker

93 °C → 538 °C
200 °F → 1000 °F

12 | 144 (12x12) | VOC | 19 MM



A permanent, hot surface marker, HT-75 Paintstik solid paint crayon marks on a variety of hot surfaces such as aluminum, steel, and hot rubber. The multi-purpose solid paint marker provides superior weather- and fade-resistance and features an extra-wide design for highly visible marks.

- Extra-wide hot surface marker lasts longer than competitive hot chalk for extended writing life
- Fast-drying marks are not damaged during handling or when immersed in cold water baths
- Easy-to-hold, recyclable paperboard holder protects Paintstik for mazimum use
- Real paint for long-lasting, highly visible marks

DETAILS
84820 ○ White



K® PAINTSTIK® — White-hot surface marker

982 °C → 1204 °C
1800 °F → 2100 °F

12 | 144 (12x12) | VOC | 19 MM



K® Paintstik® hot surface solid paint crayons are ideal for use when marking extremely hot steel. The marks will not burn off and remain readable and highly visible in all weather conditions.

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

DETAILS
81820 ○ White



X-5® PAINTSTIK® — Dual-purpose marker for hot or cold surfaces

66 °C → 482 °C
150 °F → 900 °F

144 | VOC | 9,5 MM



The X-5 solid paint marker is recommended where marking temperatures vary rapidly (66°C to 482°C). This hot surface paint crayon is ideal for very rough surfaces such as open-hearth ingots, forging, hot slabs, and other metals.

- Dual-purpose paint crayon is ideal for use where temperatures vary rapidly from hot to cold
- Unique marker is ideal for very rough surfaces like open-hearth ingots, forgings, and rough castings
- Formulated for foundries and mills where extreme temperature change occurs
- Durable marks will not run, char, flow, discolor, peel or crack, but can be removed at higher temperatures

DETAILS
82520 ○ White

HOLDERS

ENHANCE DURABILITY AND COMFORT

Markal® holders protect your solid paint crayons, paintstiks, lumber and scanning crayons.





HOLDER 100 — Wooden holder for hot surface paint crayons

The easy-to-use #100 wooden holder helps prevent breakage and makes the hot surface solid paint crayons easy to hold during use.

- 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®, X-5®



DETAILS	LENGTH
85500	10,2cm (4”)



HOLDER 102 — Adjustable metal holder for solid paint crayon

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

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



Marker not included

DETAILS	LENGTH
85100	15,2cm (6”)



HOLDER 107
Metal holder for small diameter solid paint crayons

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.

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



DETAILS
85300

LENGTH
14 cm (5,5”)



HOLDER 108
Metal holder for hex-shaped industrial markers

This specially-designed holder and leather wrist strap reduces hand fatigue and protects hex-shaped Markal® markers on the jobsite.

- Heavy-duty metal holder helps prevent breakage, reducing costs
- Push-button advancing reduces downtime for increased productivity
- Comfortable leather wrist strap helps prevent dropping
- Designed for use with all 1.3 cm (1/2”) Markal hex-shaped markers: Lumber crayons #200, #500, Pro-EX®, and Tyre Marque®
- For safe distance marking, 0.6 m (24”) and 0.9 m (36”) extensions are available for special order



DETAILS
85400

LENGTH
15,2 cm (6”)



HOLDER 111
Extra-long metal holder for hot surface paint crayons

The extra-long design and reliable metal holder aides hot surface marking from safer distances.

- 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®, X-5®
- For safe distance marking, 0.6 m (24”) and 0.9 m (36”) extensions are available for special order



DETAILS
85700

LENGTH
28 cm (11”)



FM.001
Push-button holder for FM.120

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

- Metal teeth of holder firmly grip the crayon to secure marker during use
- Push-button design allows for easy advancing and retracting of the crayon
- Designed for use with the Markal FM.120 crayon



DETAILS
44009999

LENGTH
11,4 cm (4,4”)



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 —
Welders pencils for metal layout and fabrication





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.

DETAILS

96100 Red-Riter®
96101 Silver-Streak®

RETAIL PACKS

22220 3x Silver-Streak®
22219 2x Silver-Streak® + 1x Red-Riter®



- Reflective lead illuminates when cutting or welding for improved visibility
- The soapstone alternative: marks resists 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

SILVER-STREAK® ROUND — For welding, metal layout and fabrication



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 Flat and will not rub, burn or blow off like soapstone. Marks on all metal surfaces including oily or wet.







- 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.

BLISTER

96006 1 holder + 1 lead Silver-Streak®
96007 Refill of 6 leads Silver-Streak®

RETAIL PACKS

22221 1 holder + 2 Refills packs Silver-Streak®
22222 2 refill packs Silver-Streak®

TRADES-MARKER® DRY — Refills Silver-Streak® & Red-Riter® for Trades-Marker® Dry





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

- Silver-Streak® Refills - Unique silver reflective lead perfect for welding and fabricating
- Red-Riter® Refills - Red lead perfect for welding and fabricating on aluminum, stainless steel and other light metals
- Durable and heat-resistant marks last longer than soapstone
- Ideal for use on and safe for all metals; clean, oily, or rusty
- For use only with Markal Trades-Marker® Dry
- Ø=2.8mm, L=125mm.

DETAILS

96267	●	Refill of 6 leads Silver-Streak®
96268	●	Pack of 6 Refills Red-Riter®
96260		1 Trades-Marker® Dry (+1 graphite lead)

RETAIL PACKS

96281	●	1 Retail Pack Welding (includes 1 Trades-Marker® Dry's holder + 1 graphite lead, and 1 Refill of 6 leads Silver-Streak®)
22227	●	1 refill pack Silver-Streak®
22228	●	1 refill pack Red-Riter®





READ ABOUT OUR TRADES-MARKER® DRY p.51

SOAPSTONE, FM.400 — Rectangular, high-heat resistant soapstone



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



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

DETAILS

SOAPSTONE

80129	Flat (127 x 13 x 5 mm)
80130	Round (127 x Ø 6mm)

HOLDERS

80140	Flat holder
80141	Round holder

FM.400 (100 X 10 X 10 MM)

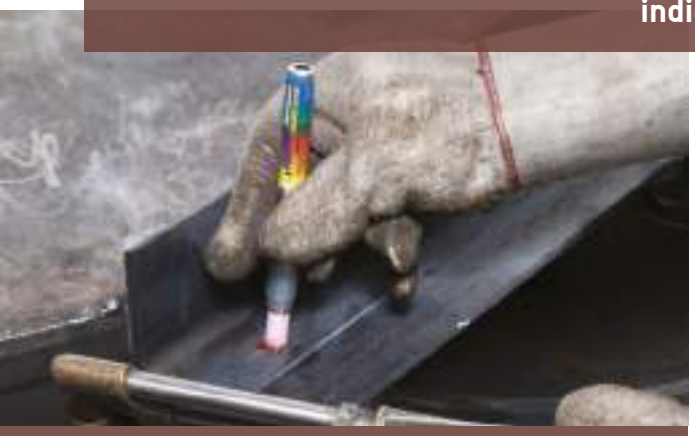
44030100	○	White

TEMPERATURE INDICATORS

FAST ACCURATE RESULTS

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

THERMOMELT® HEAT-STIK® — Accurate surface temperature indicating stick

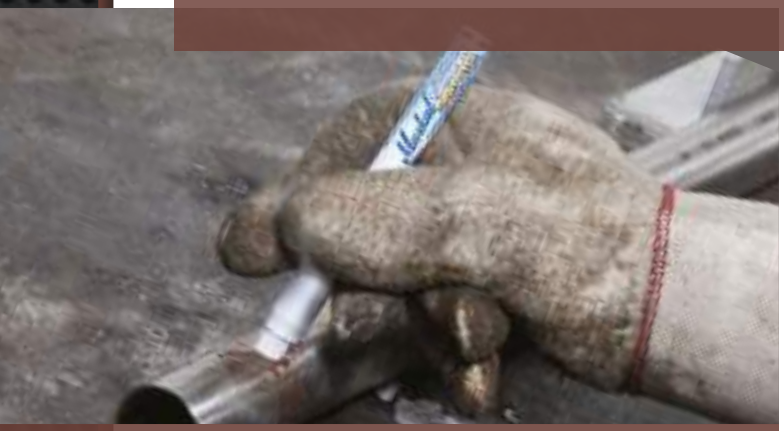


Thermomelt® HEAT-STIK® markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 23 Fahrenheit and 7 Celsiusv temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field. Please note that the color of the Thermomelts are not a part of their function, since the temperature signal consists of melting. Indicator color is subject to change without notice.



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

CERTIFIED THERMOMELT® HEAT-STIK® — Nuclear pre-certified, accurate temperature indicating stick



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



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

DETAILS

THERMOMELT® HEAT-STIK®

	°C	°F		°C	°F
86400	38 °C	100 °F	86769*	232 °C	450 °F
86436*	52 °C	125 °F	86787*	246 °C	475 °F
86463*	66 °C	150 °F	86805*	260 °C	500 °F
86481*	79 °C	175 °F	86823*	288 °C	550 °F
86517*	93 °C	200 °F	86841	316 °C	600 °F
86526	101 °C	213 °F	86859*	343 °C	650 °F
86544*	107 °C	225 °F	86868	371 °C	700 °F
86562*	121 °C	250 °F	87021	774 °C	1425 °F
86589*	135 °C	275 °F	86402	50 °C	
86625*	149 °C	300 °F	86401	100 °C	
86661*	163 °C	325 °F	84664	150 °C	
86697*	177 °C	350 °F	86516	200 °C	
86715*	191 °C	375 °F	86563	250 °C	
86733*	204 °C	400 °F	86734	400 °C	
86751*	218 °C	425 °F	86977	1200 °C	

THERMOMELT® HEAT-STIK® CERTIFIED

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

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

INK MARKERS

IMMEDIATE MARK AND DRY

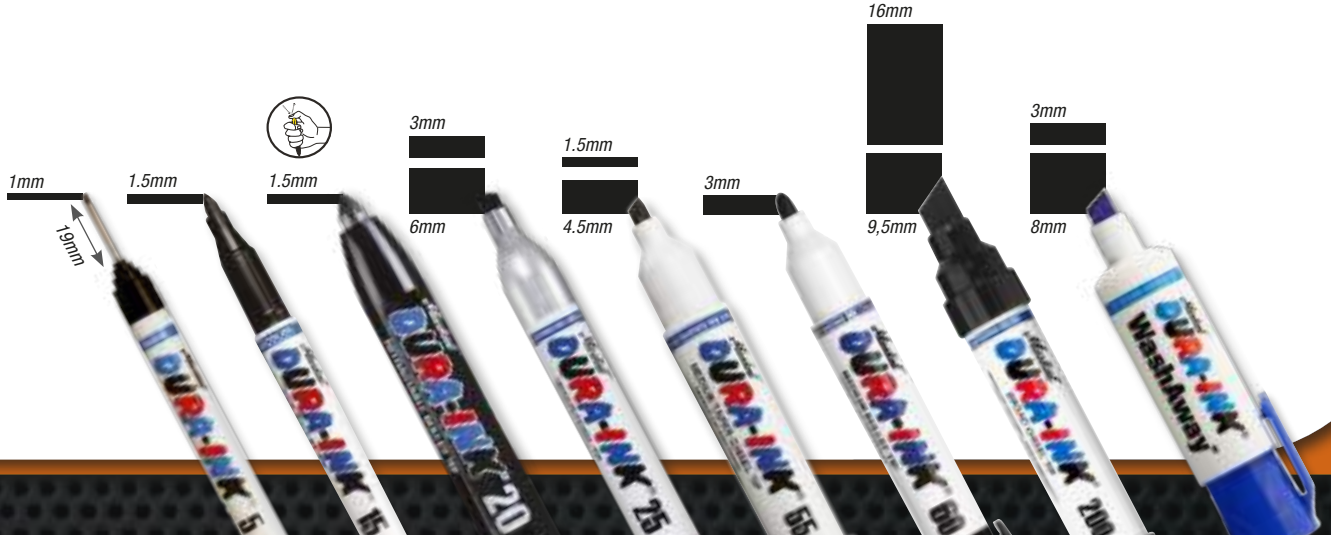
Preferred for their ability to immediately mark and dry on almost any type of surface, felt-tip ink markers can be found on almost any job site, in any factory, or throughout warehouses and shipping departments around the world. Our line of DURA-INK® markers utilize industrial-grade construction, tips,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

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.

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.

Roll-Resistant
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.





DURA-INK® 5 –

Permanent ink marker with extended micro tip

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





DURA-INK® 15 –

Permanent ink marker with fine bullet tip

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





DURA-INK® 20 –

Retractable permanent ink marker with fine bullet tip

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





DURA-INK® 25 –

Metal barrel, permanent ink marker with medium chisel tip

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



- One-handed, push button operation eliminates lost caps and prevents ink dryout
- Auto-storing clip instantly retracts tip to reduce mess or tip damage



DISPLAY

DURA-INK® 5
199010
(8x●)+(12x●)+(24x●)

DURA-INK® 15
199006
(8x●)+(20x●)+(8●)
+(4x●)+(4x●)

DURA-INK® 20
199007
(12x●)+(20x●)

DURA-INK® 55
199008
(5x●)+(10x●)
(5x●)+(5x●)

DURA-INK® 60
199009
(5x●)+(10x●)
+(5x●)+(5x●)

DETAILS

DURA-INK® 5

96522	●
96520	●
96519	●
-	
-	

DURA-INK® 15

96022*	●
96023	●
96025	●
96026	●
96027	●

BLISTER
96098 ●x3

DURA-INK® 20

96576*	●
96575	●
-	
-	
-	

DURA-INK® 25

96222	● Red
96223	● Black
-	● Blue
-	● Green
-	● Silver

BLISTER
96237 ●x2



DURA-INK®55 —
Permanent ink marker with medium chisel tip

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





DURA-INK®60 —
Permanent ink marker with medium bullet tip

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





DURA-INK®200 —
Permanent ink marker with broadchisel tip

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





DURA-INK® WASH-AWAY® —
Wash removable ink marker for temporary marking

The DURA-INK® WashAway™ is a temporary ink marker that will quickly and completely wash off non-porous surfaces with water or cleaning solutions without leaving a residue or ghosting on the surface. Engineered specially for temporary marking applications, the highly-visible ink formula dries quickly to avoid smudging or lost marks and is ideal for use on most metals and glass.



RETAIL PACKS

DURA-INK® 5

22241	4x●	22242	2x● + 1x● + 1x●

DURA-INK® 15

22239	5x●	22240	1x● + 1x● + 1x● + 1x● + 1x●

DURA-INK® 20

22251	3x●	22252	2x● + 1x●

DURA-INK® 55	DURA-INK® 60	
22243	22247	3x●
22244	22248	1x● + 1x●
22245	22249	1x● + 1x●
22246	22250	1x● + 1x●



- Fast-drying ink formula completely washes off all non-porous surfaces
- High-visibility marks are water and detergent removable without ghosting or residue
- Non-refillable marker to reduce mess and eliminate downtime
- Compact design for improved comfort and control

DETAILS

DURA-INK® 55

96528*	●
96529	●
96530	●
96531	●
-	

DURA-INK® 60

96535*°	●
96536°	●
96537°	●
96538°	●
-	

DURA-INK® 200

96916*	●
96917	●
96915	●
96914	●
-	

BLISTER

96543 ●x2

DURA-INK® WASH-AWAY

-	●	Red
-	●	Black
96302	●	Blue
96303	●	Green
96301	●	Pink

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.

FIND YOUR MARKER

	PERMANENT																																ERASABLE								
	METALS						PLASTICS																										METALS								
	CLEAN, DRY		ROUGH		ALUMINUM		STAINLESS STEEL		CLEAN, DRY		RUBBER		CLEAN, DRY		GLASS, CERAMIC		CLEAN, DRY		WOOD		CLEAN, DRY		GRADE READER		ROUGH		WET		BRICK, STONE		CLEAN, DRY		ROUGH		WET		CARTON / PAPER		CLEAN, DRY		PAINTED SURFACES		CLEAN, DRY		TILES, POLISHED STONE		CLEAN, DRY		STANDARD STEEL, CLEAN, DRY		ALUMINUM		STAINLESS STEEL		PLASTICS		CLEAN, DRY		GLASS, CERAMIC		CLEAN, DRY	
TRADES-MARKER® DRY	◉	◉	◉



TRADES-MARKER® DRY — Deep-hole Marker for hard-to-reach areas







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

- Fine tip extends to 45mm, ideal for hard-to-reach places (allows for deep markings, in fixation holes)
- Cap, body and clip in metal to ensure durability and strength for professional use
- Automatic lead ejection: a single press on the button pushes the lead out by 2mm
- Practical as it is always at hand, the sharpener is incorporated into the push button, allowing for extremely precise markings
- Sturdy clip for hooking onto shirts or pants.
- Lead easy to replace: unscrew the push button, insert the new lead, screw the button back in (colored lead must already be sharpened before insertion)
- Thanks to 4 types of refills, (graphite, colored for polyvalent marking, or welding refills with Silver-Streak® and Red-Riter®), it can write or mark on all types of surfaces and materials (dusty, rough, smooth, greasy, wet, dark, etc.)
- Uses lead 2.8mm in diameter, compatible with other refill types on the market

DETAILS

TRADES-MARKER® DRY

96260 Trades-Marker® Dry

REFILLS

96262 6x graphite leads
96263 2x graphite leads, 2x , 2x
96265 6x leads red
96266 6x leads yellow
96267 6x leads Silver-Streak®
96268 6x leads Red-Riter®

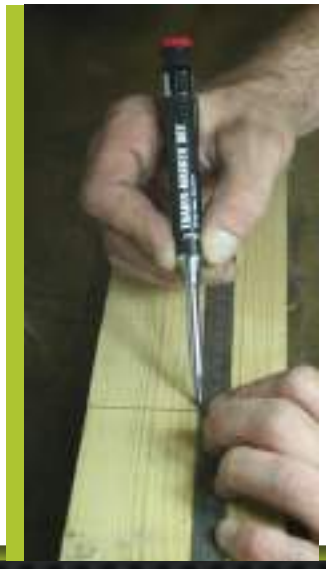
RETAIL PACKS

96264 Trades-Marker® Dry + 1 refill pack n°96263
96281 Trades-Marker® Dry + 1 refill pack n°96267
22223 1 refill pack
22224 1 refill pack
22225 1 refill pack
22226 1 refill pack

DISPLAYS

96261 Trades-Marker® Dry display
96269 Display Welding
96280 Display Mix







REF. 96261
(20 x 96260) + (10 x 96262) + (10 x 96263)

REF. 96269
(20 x 96260) + (10 x 96267) + (10 x 96268)

REF. 96280
(20 x 96260) + (5 x 96267) + (5 x 96268) + (3 x 96262) + (3 x 96263) (2 x 96265) + (2 x 96266)



1 | 6 (1x6)

TRADES-MARKER® — Mechanical, all-surface 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.

- 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.
- Convenient clip allows for pocket storage and prevents rolling off work table
- Multiple colors available for easy identification



DETAILS

1 HOLDER + 12 REFILLS

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

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



1 | 6 (1x6)

TRADES-MARKER® WS — Water-soluble, removable, mechanical all-surface marker

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.

- Great for many surfaces including: smooth, rough, rusty, or dirty surfaces
- Marks can be easily wiped away with water, ideal for quality control and temporary marking needs
- 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.
- Convenient clip allows for pocket storage and prevents rolling off work table
- Multiple colors available for easy identification



DETAILS

1 HOLDER + 12 REFILLS

96190	White
96191	Yellow
96193	Red
96192	Black



12 | 72 (6x12)

CHINA MARKER — Paper-wrapped marker, grease pencil

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

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

DETAILS

96010	White
96011	Yellow
96012	Red
96013	Black
96014	Purple
96015	Blue
96016	Green





12 | 144 (12x12) | -29 °C → 54 °C

TYRE MARQUE®
Temporary solid paint crayon for tire marking

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

- Smooth marking on rough or dirty surfaces for bold, visible marks
- Marks easily on wet or cold rubber surfaces



DETAILS

51420 ○ White
51421 ● Yellow



12 | 144 (12x12) | -29 °C → 66 °C

LUMBER CRAYON 200®—
Economical, wax-based lumber crayon

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.

- 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



DETAILS

127mm x 13mm

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



12 | 72 (6x12) | EUROPE | -20 °C → 50 °C

FM.120 —
General purpose industrial crayon

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

- Marks on rough surfaces, such as concrete, wood, steel, and cardboard
- Formulated for weather- and fade-resistant marking on indoor and outdoor surfaces
- Softer formula allows for superior marking in cold climates
- Available in 6 bright colors for instant identification
- Unsharpened when delivered



DETAILS

120x11mm

44010100 ○ White
44010200 ● Yellow
44010300 ● Red
44010400 ● Blue
44010500 ● Green
44010600 ● Black



FM.213 / FM.220 / FM.230 — Square chalk for temporary marking

Industrial square chalk for temporary marking on most surfaces. Marks are easy to remove and its square design offers a variety of line widths.

- Marks are easily wiped away
- Square shape provides various mark sizes
- Paper holder keeps hands clean during use (FM.213)



DETAILS

12 | 144 (12x12)
90x13x13mm
FM.213 ○ 44060100

100 | 1200 (12x100)
100x20x20mm
FM.220 ○ 44070100

100 | 500 (5x100)
100x30x30mm
FM.230 ○ 44080100



12 | 72 (6x12)

ULTRASCAN® — High-performance crayon for grade mark readers

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

- 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
- colors for superior color separation compared to competitive fluorescent wax crayons
- Specifically developed for Lucidyne, Newnes-McGehee and Cypress grade mark readers
- One hardness for all temperatures, eliminates duplicate inventory
- Dramatically longer use, provides up to 4X the writing life of competitive crayons

DETAILS

82447 Yellow 63
82459 Bright orange 44
82467 Bright Red 34
82468 Neon Orange 31
82469 Tan 45
82470 Tangerine 03
...
(for more colours: markal.com)





12 | 144 (12x12)

SCAN-IT® PLUS — Crayon for grade marking

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

- 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
- Offered in 2 sizes: standard 17 mm (11/16”), hex shape 13 mm (1/2”)

DETAILS

MEDIUM / HARD

82336 / 82236 Orange Sherbet
82337 / 82237 Watermelon Red
82339 / 82239 Grasshopper Green
— / 82245 Pink Lightning
82346 / 82246 Emerald Green





1 | 12 (12x1) | -15°C → 50 °C

SM.500 — Fluorescent spot marking aerosol spray

SM.500 is a spot marker with high-pigmented fluorescent paint for high visibility on any surface. This exterior-grade paint degrades slowly under UV exposure making it ideal for outdoor job sites like highways, commercial construction sites, pipelines, and land development.

- Paint adheres to most surfaces and dries quickly for increased work productivity
- Opaque fluorescent paint improves mark visibility in all weather conditions
- UV-resistant paint slowly degrades, extending mark life on outdoor surfaces
- Security cap prevents unintended paint release
- Seven colors for color coding on job site

DETAILS

40100100 White
40100200 (F) Yellow Fluo
40100400 (F) Blue Fluo
40100500 (F) Green Fluo
40101000 (F) Pink Fluo
40101600 (F) Red Fluo
40101700 (F) Orange Fluo
40100900 Grey
40100600 Black





ZS.124 /ZS.130
Oval Carpenter pencil

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

- HB. soft lead is easy to sharpen
- Design prevents rolling on surfaces and is easy to use
- Red varnish coating protects pencil for outdoor use
- High-quality wood resists breaking when stored with heavy tools
- Unsharpened when delivered



ZS.224 / ZS230
Masonry Pencil

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

- Soft lead is easy to sharpen
- Hard Graphite lead for great durability
- Oval design prevents rolling on surfaces and is easy to use
- Green varnish coating protects pencil for outdoor use
- High-quality wood resists breaking when stored with heavy tools
- Unsharpened when delivered



ZS.324

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

- Soft lead is easy to sharpen
- Graphite lead easy to remove
- Triangular design prevents rolling on surfaces and fits well in the hand.
- Red varnish coating with dipped end protects pencil for outdoor use
- High-quality wood resists breaking when stored with heavy tools
- Sharpened when delivered



ZS.424

ZS.424 is a blue varnished rectangular pencil, ideal for marking on wet wood. When used dry, it leaves a gray mark similar to a pencil's lead, but which cannot be erased. When used wet, its tip moistened by water produces an indelible bright purple writing.

- Soft lead is easy to sharpen
- Rectangular design prevents rolling on surfaces and fits well in the hand.
- Blue varnish coating protects pencil for outdoor use
- High-quality wood resists breaking when stored with heavy tools
- Unsharpened when delivered

DETAILS

	144	1008 (7x144)	12	432 (12x36)	9	324 (9x36)
ZS.124	44091124		44092124		-	
ZS.130	44091130		44092130		-	
ZS.224	44091224		44092224		-	
ZS.230	44091230		44092230		-	
ZS.324	-		-		44090324	
ZS.424	-		44092424		-	





ENGRAVERS

MANUAL AND DEFINITIVE

Markal® engravers and etching markers leave permanent marks that outlast crayon, ink and paint marks. Our high performance micro-percussion, electric arc, or air-powered engravers use various marking techniques for glass, steel, tools, ceramics, plastics and most other industrial surfaces and tools.



CA.003 — Electric arc engraver



Markal CA.003 is an electric arc engraver designed to mark conductive metal surfaces. With 100 arcs/second the arc engraver will leave a highly visible, permanent black mark that can outlast crayon or paint marks.



DETAILS

50421003 Complete machine
50422010 10 Electrodes

SPARE PARTS

50400000 Transformer
50421001 Electric arc marking pen
50422011 Contact plate
50400001 Mandrel + pliers
50422001 Coil 12V

- Burns deeply into the conductive metals using a 40 watt arc strength and 100 arcs/second for bold, permanent marks
- Produces an accurate mark and, unlike crayons or paint, will not smear, crack, peel or chip
- Engraving marks are unaffected by weather and UV-light for long-lasting identification
- Fill in the deep marks for increased visibility with Markal Lacquer-Stik®
- Carrying case included for easy storage and transport
- Product includes: 12-15V transformer, engraver, pack of ten electrodes, conductive Flat receptacle and carrying case
- One year parts and labor warranty
- Fast repairs made at LA-CO Industries Europe S.A.S. facility
- Quality-made in France since 1970
- CE approved

Filling deep marks with
Lacquer-Stik® Markal for a better visibility
P.34

VG.490 — Universal electric engraver



Universal engraver for all materials from soft to extra hard surfaces like iron, steel, glass, non ferrous metal, stone, ceramic plastic, wood, and more. Easy and convenient, our VG.490 is plugged directly into mains and is used like a pen. Delivered with diamond hard metal and carbide tip, one pack of 2 modelling tips for soft metals such as copper, tin and Aluminum ...



DETAILS

50431700 Complete machine

SPARE PARTS

50431720 Tip adapter
50431721 Diamond tip
50431722 Carbide tip (Pack of 5)
50431723 Profiled Tip (1 of each)

- Micro-percussion tool produces impacts for bold, permanent marks on multiple surfaces
- Produces an accurate mark and, unlike crayons or paint, will not smear, crack, peel or chip
- Engraving marks are unaffected by weather and UV-light for long-lasting identification
- Fill in the deep marks for increased visibility with Markal Lacquer-Stik®
- Complete with one box including 4 tips and an adapter for marking various surfaces.
- Carrying case included for easy storage and transport
- Vibration strength: a (peak)~= 74,02 m/s² = 7,545 g (peak value) a (rms)~= 52,34 m/s² = 5,336 g (rms-value/root-mean-square-value)
- Cable length: 1,8 m



1. Tip adapter
2. Diamond Tip
3. Carbide Tip
4 & 5. Profiled Tips



PN.500 — Pneumatic engraver



Markal® PN.500 is an air-powered engraving machine that produces 500 impacts/second making this industrial product ideal for high volume assembly line operations. The pneumatic engraver will leave a permanent mark on most surfaces that can outlast crayon or paint marks.



DETAILS
50431500 PN.500

SPARE PARTS
50432001 Carbide tip 0,20mm
50432002 Carbide tip 0,35mm
50432003 Carbide tip 0,50mm

- High-frequency impacts produce deep, highly-visible marks on various surfaces
- Ideal for continuous use on assembly lines or anywhere high-volume engraving is required
- Produces an accurate mark and, unlike crayons or paint, will not smear, crack, peel or chip
- High-quality steel body for industrial applications
- No transformer : lightweight for easy operation
- Use compressed air supply (6 BAR maximum) to adjust depth of marks
- Long one meter connection hose for flexibility at work station
- Fill in the deep marks for increased visibility with Markal® Lacquer-Stik®
- Carbide tip 0.35 mm included

SC.800 — Acid etching pen



Markal® SC.800 is an etching pen that releases acid on demand to permanently mark most metal surfaces. Use the SC.871 neutralizing solution to control the acid etching process. Two replacement cartridges are available for different metal etching applications.



DETAILS
50121800 SC.800

REFILLS ACIDS
50122004 SC.862 Blue
50122005 SC.865 Green

NEUTRALIZING SOLUTION
50123871 SC.871

- Permanent etched mark for identification on various metal surfaces
- The acid etch produces an accurate mark and, unlike crayons or paint, will not smear, crack, peel or chip
- Hand-held etching marker is portable; does not need a power or air supply
- Ideal for identification, security, and theft prevention
- Two replaceable cartridges:
  - SC.862 blue cartridge to etch steel used in construction or tools
  - SC.865 green cartridge to etch stainless steel, copper, nickel, lead, alloy, and bronze
- SC.871 corrosion inhibitor solution stops the etching process for improved control





DOT MARKERS

AUTONOMOUS, RELIABLE AND ECONOMICAL

Markal® has developed autonomous dot markers that could be integrated into a machine. Based on same technology as our Stylmark®, our STYLOTUBE will mark on many kind of surfaces with a bright and permanent mark, for quality control or processing.



PN.200

Automated dot marker



PN.200D

Automatic refillable ball tube marker for dots marking



RS.2000 & RS. 1000

Replacement paint cartridge for Stylotube

-20 °C → 70 °C

Markal® Stylotube PN200 is an automated metal-ball tip marker for high volume dot marking applications on assembly lines. Designed for easy installation into an automated process, the pressurized, hands-free marking system allows for full use of the replacement RS.2000 and RS.1000 refill cartridges.

Markal® Stylotube PN200D is an automated metal-ball tip marker designed for vertical, overhead or horizontal dot marking applications on assembly lines. The space-saving design allows for easier installation in automated processes and the pressurized hands-free marking system allows for full use of the replacement RS-type cartridges.

Markal RS.2000 replacement paint cartridge can be used with all Markal Stylotube marking products. The xylene-free paint will not drip making it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. The low-sulfur, low-chloride, and low-halogen formula allows for safe marking on stainless steel

- Fully automated marking system allows for continuous paint delivery on vertical, overhead, or horizontal surfaces
- Space-saving design allows for easier installation in automated systems
- Requires use of compressed air supply (0.2 BAR)
- Pneumatic device improves productivity over manual marking products
- Pressurized system ensures full use of replacement paint cartridges
- Refillable stainless steel holder keep hands and clothing clean
- Durable steel ball tip marks on rough or smooth surfaces
- Offered in 3 sizes: 2 mm, 3 mm and 6 mm for varied mark thickness
- Designed for use with the following Markal® replacement cartridges: RS.2000, RS.1000

RS.2000

- Replacement cartridge for all Stylotube marking products
- Pressurized Stylotube systems ensure full use of replacement paint cartridges
- Unique paint designed to not drip on vertical or overhead surfaces
- 11 bold, bright paint colors are weather-, water-, and UV-resistant
- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- Mark temperature resistance: 200°C (392°F)
- Designed for use with the following Markal Stylotube products: RS, RS.PN100, RS.PN200, RS.PN200D

RS.1000

- High temperature paint is ideal for welds, ingots, castings, forgings, and other annealed parts
- Paint withstands temperatures up to 1000°C

DETAILS

96601	PN.200 (3mm)
96602	PN.200D (3mm)

REFILLS RS.2000

96603	○	White°
96604	○	Yellow°
96605	○	Red°
96606	○	Blue°
96607	○	Green°
96608	○	Black°
96609	○	Orange°
96610	○	Purple°
96611	○	Grey°
96612	○	Pink°
96613	○	Brown°

REFILLS RS.1000

22300122	○	White°
22300222	○	Yellow°



TEMPIL® TEMPERATURE INDICATORS

LEADER IN ADVANCED TEMPERATURE INDICATION-TECHNOLOGIES

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

TEMPILSTIK® — Fast, accurate surface temperature indicator





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

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



DETAILS

Tempilstik® Fahrenheit Temp

28000	38 °C / 100 °F
28002	43 °C / 109 °F
28004	48 °C / 119 °F
28005	52 °C / 125 °F
28006	66 °C / 150 °F
28007	73 °C / 163 °F
28008	76 °C / 169 °F
28009	79 °C / 175 °F
28010	83 °C / 182 °F
28011	87 °C / 188 °F
28012	93 °C / 200 °F
28013	97 °C / 206 °F
28014	101 °C / 213 °F
28015	104 °C / 219 °F
28016	107 °C / 225 °F
28019	121 °C / 250 °F
28020	124 °C / 256 °F
28021	128 °C / 263 °F
28022	132 °C / 269 °F
28023	135 °C / 275 °F
28024	142 °C / 288 °F
28025	146 °C / 294 °F
28026	149 °C / 300 °F
28027	152 °C / 306 °F
28028	156 °C / 313 °F
28029	163 °C / 325 °F
28030	173 °C / 344 °F
28031	177 °C / 350 °F
28032	184 °C / 363 °F
28033	191 °C / 375 °F
28034	198 °C / 388 °F
28035	204 °C / 400 °F
28036	212 °C / 413 °F
28037	218 °C / 425 °F
28039	232 °C / 450 °F
28040	239 °C / 463 °F
28041	246 °C / 475 °F
28042	253 °C / 488 °F
28043	260 °C / 500 °F
28044	274 °C / 525 °F
28045	288 °C / 550 °F
28046	302 °C / 575 °F
28047	316 °C / 600 °F
28048	343 °C / 650 °F
28049	371 °C / 700 °F
28050	399 °C / 750 °F
28051	427 °C / 800 °F
28052	454 °C / 850 °F
28053	482 °C / 900 °F
28055	510 °C / 950 °F
28056	538 °C / 1000 °F
28057	550 °C / 1022 °F
28058	566 °C / 1050 °F
28059	593 °C / 1100 °F
28060	621 °C / 1150 °F
28061	649 °C / 1200 °F
28062	677 °C / 1250 °F
28063	704 °C / 1300 °F
28064	760 °C / 1400 °F
28065	788 °C / 1450 °F
28066	816 °C / 1500 °F
28067	843 °C / 1550 °F
28068	871 °C / 1600 °F
28069	899 °C / 1650 °F
28070	927 °C / 1700 °F
28072	982 °C / 1800 °F
28073	1038 °C / 1900 °F
28074	1066 °C / 1950 °F
28075	1093 °C / 2000 °F

Tempilstik® Celsius Temp

28300	40 °C / 104 °F
28301	50 °C / 122 °F
28302	55 °C / 131 °F
28303	60 °C / 140 °F
28304	70 °C / 158 °F
28305	75 °C / 167 °F
28306	80 °C / 176 °F
28307	85 °C / 185 °F
28308	90 °C / 194 °F
28309	95 °C / 203 °F
28310	100 °C / 212 °F
28312	110 °C / 230 °F
28313	115 °C / 239 °F
28314	120 °C / 248 °F
28315	125 °C / 257 °F
28316	130 °C / 266 °F
28317	140 °C / 284 °F
28318	150 °C / 302 °F
28319	155 °C / 311 °F
28320	160 °C / 320 °F
28321	165 °C / 329 °F
28322	170 °C / 338 °F
28323	175 °C / 347 °F
28324	180 °C / 356 °F
28325	190 °C / 374 °F
28326	195 °C / 383 °F
28327	200 °C / 392 °F
28328	210 °C / 410 °F
28329	215 °C / 419 °F
28330	220 °C / 428 °F
28331	225 °C / 437 °F
28332	230 °C / 446 °F
28333	235 °C / 455 °F
28336	250 °C / 482 °F
28338	270 °C / 518 °F
28339	280 °C / 536 °F
28340	290 °C / 554 °F
28341	300 °C / 572 °F
28342	320 °C / 608 °F
28343	350 °C / 662 °F
28345	400 °C / 752 °F
28347	460 °C / 860 °F
28349	500 °C / 932 °F
28350	560 °C / 1040 °F
28351	600 °C / 1112 °F
28352	625 °C / 1157 °F
28355	700 °C / 1292 °F

TEMPSTIK® TEST KIT — Temperature indicator and reference kit





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

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

DETAILS

28600 Test Kit including the following temperatures:

52°C	93°C	135°C	177°C	218°C	260°C	371°C
66°C	107°C	149°C	191°C	232°C	288°C	427°C
79°C	121°C	163°C	204°C	246°C	316°C	

IRT-16 — Non-contact infrared temperature measurement device





The IRT-16 is engineered to provide instant, superior accuracy and consistency in surface temperature measurement for a wide range of applications. The lightweight and compact design of the IRT-16 makes temperature measurement on hard-to-reach surface convenient and efficient.

- Temperature measurement range between -60°C (-76°F) -625°C (-1157°F) with read-out accuracy of +/- 2%
- Laser pointer with sensitive 16:1 distance to spot ratio for improved accuracy.
- Four-digit backlit dual display ideal for low-light areas
- °C or °F selectable readout
- Min/Max/Avg and differential temperature mode available
- Built-in jack for K-Type thermocouple probe to allow direct contact measurement
- NIST certified units available

DETAILS

24200 IRT-16
24201 IRT-16 Certified
24202 K-Probe Thermocouple
24203 IRT16 Certified ISO/CEI 17011-EA-IAF

ESTIK™ — Direct-touch electronic surface thermometer





Incorporated with the latest micro-thermocouple technology and an advanced accuracy of +/- 2%, this patented Estik measures the surface temperature from 0°C to 537°C. Specially engineered for fast and convenient monitoring, Estik improves accuracy by eliminating errors due to reflection and other surface conditions.

- Ergonomic hand grip with one button operation
- Instant measurement read-out
- Three-digit bright LED display
- Durable heat-resistant housing with rubberized grip
- °C or °F selectable readout

DETAILS

24290 Estik™
24251 Estik™ Certified NIST
24252 Estik™ Thermocouple
24253 Estik™ Certified ISO/CEI 17011-EA-IAF

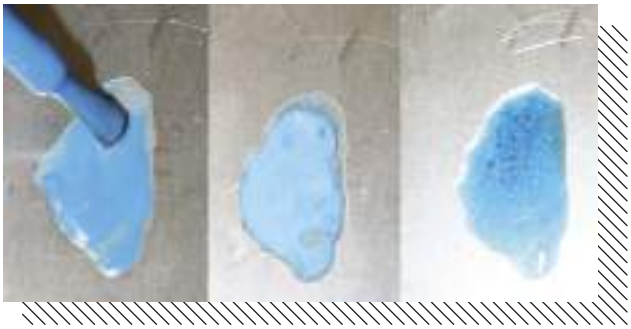
TEMPILAQ® — Fast-indicating surface temperature coating



Tempilaq® Indicating coating is an efficient, convenient and affordable method to verify the achievement of a specific temperature on a wide range of surfaces under dynamic conditions. Easily painted on any surface, Tempilaq® leaves an irreversible mark that is optimal for heat-treating, preventive maintenance and any other temperature sensitive applications.

- Easy application with quick-dry formula on any surface
- Melts at designated temperature leaving a noticeably different mark
- Wide temperature range from 79°C (175°F) 1038°C (-1900°F)
- Excellent accuracy within +/- 1%
- Only use Tempilaq® Green Label Thinner to dilute or replace evaporated solvent





DETAILS

TEMPILAQ® 2 OUNCE (55 ML)

24400.....79 °C /175 °F
24401.....93 °C /200 °F
24402.....107 °C /225 °F
24403.....121 °C /250 °F
24404.....135 °C /275 °F
24405.....149 °C /300 °F
24406.....156 °C /313 °F
24407.....163 °C /325 °F
24408.....177 °C /350 °F
24410.....191 °C /375 °F
24411.....204 °C /400 °F
24412.....218 °C /425 °F
24413.....232 °C /450 °F
24414.....246 °C /475 °F
24416.....260 °C /500 °F
24417.....274 °C /525 °F
24418.....288 °C /550 °F
24419.....302 °C /575 °F
24420.....316 °C /600 °F
24421.....343 °C /650 °F
24422.....371 °C /700 °F
24423.....399 °C /750 °F
24424.....427 °C /800 °F
24425.....454 °C /850 °F
24426.....482 °C /900 °F
24427.....510 °C /950 °F
24428.....538 °C /1000 °F
24429.....550 °C /1022 °F
24430.....566 °C /1050 °F
24431.....593 °C /1100 °F
24432.....621 °C /1150 °F
24433.....649 °C /1200 °F
24434.....677 °C /1250 °F
24435.....704 °C /1300 °F
24436.....760 °C /1400 °F
24438.....816 °C /1500 °F
24439.....871 °C /1600 °F
24440.....927 °C /1700 °F

TEMPILAQ® THINNER

24597.....Thinner 59 ml

TEMPILAQ® QUART (946 ML)

24554.....191 °C /375 °F
24558.....399 °C /750 °F
24560.....454 °C /850 °F
24562.....510 °C /950 °F
24564.....566 °C /1050 °F
24565.....593 °C /1100 °F
24566.....621 °C /1150 °F
24567.....649 °C /1200 °F

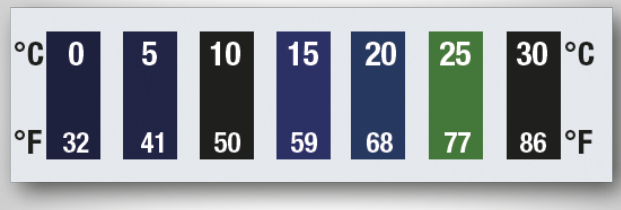
TEMPIL® TEMPERATURE SENSITIVE LABELS

TEMPERATURE MONITORING

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



TEMPILABEL REVERSIBLE (LIQUID CRYSTAL®) — Reversible Temperature Indicating Labels



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

- Excellent accuracy of +/- 2% of the Fahrenheit rating
- LCD technology for real-time, accurate readings as temperature fluctuates
- Temperature range from -30°C (-22°F) 120°C (-248°F)
- Calibration-free
- Oil, water and steam resistant

DETAILS

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

TEMPILABEL® SERIES 4 & TEMPILABEL SERIES 21®

- Four temperature readings per labels for max/min applications
- Excellent accuracy to +/- 2% of the Fahrenheit rating
- Temperature range from 38°C (100°F) to 182°C (360°F)
- Permanent record for inspection and quality control
- Calibration-free
- Oil, water and steam resistant

TEMPILABEL® SERIES 4 — Four-Level, Irreversible Temperature Indicating Label



Tempilabel® Series 4 labels are designed to deliver immediate, accurate and reliable readings for up to four temperatures in a variety of applications or environments. Tempilabels can be quickly affixed to almost any surface and used to quickly indicate when a precise temperature is reached. Available in pack of 10 labels, or in pack of 500 labels.



DETAILS

PACK OF 10

26700	°C	38	43	49	54
	°F	100	110	120	130
26701	°C	54	60	66	71
	°F	130	140	150	160
26702	°C	77	82	88	93
	°F	170	180	190	200
26703	°C	88	93	99	104
	°F	190	200	210	220

26705	°C	166	171	177	182
	°F	330	340	350	360
26706	°C	52	66	79	93
	°F	125	150	175	200
26707	°C	38	66	93	121
	°F	100	150	200	250
26708	°C	93	121	149	177
	°F	200	250	300	350

ROLL OF 500

26750	°C	38	43	49	54
	°F	100	110	120	130
26751	°C	77	82	88	93
	°F	170	180	190	200
26752	°C	93	121	149	177
	°F	200	250	300	350

TEMPILABEL® SERIES 21 — Single-Level, Irreversible Temperature Indicating Label



Tempilabel® Series 21 labels are uniquely designed to deliver immediate, accurate and reliable readings in a variety of applications or environments. Tempilabels can be quickly affixed to almost any surface and used to quickly indicate when a precise temperature is reached. Available in pack of 210 labels, or in rolls of 1000 labels.



DETAILS

PACK OF 210	ROLL OF 1000		
26250	26275	°C	38
		°F	100
26251	26276	°C	43
		°F	110
26252	26277	°C	49
		°F	120
26254	26278	°C	54
		°F	130
26255	26279	°C	60
		°F	140
26256	26280	°C	71
		°F	160
26258	26282	°C	82
		°F	180

PACK OF 210	ROLL OF 1000		
26259	26283	°C	88
		°F	190
26260	26284	°C	93
		°F	200
26261	26285	°C	99
		°F	210
26262	26286	°C	104
		°F	220
26263	26287	°C	110
		°F	230
26264	26295	°C	116
		°F	240
26265	26288	°C	121
		°F	250

PACK OF 210	ROLL OF 1000		
26266	26289	°C	127
		°F	260
26267	26290	°C	132
		°F	270
26268	26291	°C	138
		°F	280
26269	26292	°C	143
		°F	290
26270	26293	°C	149
		°F	300
26271	-	°C	204
		°F	400
26272	-	°C	260
		°F	500



HIGH TEMPERATURE COATING

WELDABLE PRIMER AND HEAT-ABSORBING COATING

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

ANTI-HEAT®



Heat-absorbing compound

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

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

DETAILS

24003 Anti-Heat tube (355 ml)

BLOXIDE



An aluminum-based weldable primer

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

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

DETAILS

24100 Bloxide 3,79L

24104 Bloxide 355ml (spray can)

PYROMARK®



High-temperature resistant coating

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

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

DETAILS

25002 Pyromark® 1200 Flat Black 3,79L

25010 Pyromark® 2500 Flat Black 3,79L



INDUSTRIAL MAINTENANCE PRODUCTS

MRO AND PVF CHEMICALS

Our LA-CO® brand of high quality, high-performance MRO, plumbing and HVAC chemicals is a globally trusted partner for professional contractors and maintenance departments. We are committed to serving several industries including plumbing, HVAC, pipefitting, maintenance operations, repair services and original equipment manufacturing...

SLIC-TITE® —Heavy-duty pipe thread compound





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.

- Contains PTFE for greater sealing power
- Pressures: 204 BAR (3,00 PSI) for gas; 680 BAR (10,000 PSI) for liquid
- Sealing temperature: -46°C to 260°C (-50°F to 500°F)
- 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

DETAILS

SLIC-TITE® PASTE + BRUSH IN CAP (=BIC)

	42009	118 ml (1/4 pt.) BIC
	42019	236 ml (1/2 pt.) BIC
	42029	473 ml (1 pt.) BIC
	41219	236 ml (1/2 pt.) BIC

SLIC-TITE® PASTE

	42012	473 ml (1 pt.)
	42013	946 ml (1 qt.)
	42014	3,79 L (1 gal)

SLIC TITE® STIK

41600 Stik 35g / 1 1/4 oz



SLIC-TITE® TAPE

44082	1,27 x 762 cm (1/2"x300")
44083	1,27 x 1524 cm (1/2"x600")
44084	1,27 x 3048 cm (1/2"x1200")
44085	1,9 x 762 cm (3/4"x300")
44086	1,9 x 1524 cm (3/4"x600")
44094	1,27 x 660 cm (1/2"x260")
44095	1,27 x 660 cm (1/2"x260")

PIPE THREAD TAPE OF PTFE (ECONOMIC ALTERNATIVE)

44071	1,27 x 660 cm (1/2"x260")
44072	1,27 x 1320 cm (1/2"x520")
44075	1,9 x 1320 cm (3/4"x520")
44078	2,54 x 132 cm (1"x520")



		PASTE		STIK		TAPE	
		PSI	BAR	PSI	BAR	PSI	BAR
Pression	LIQUID	10.000	680	5.000	340	2.000	136
	GAS	3.000	204	500	34	2.000	136
Sealing temp.	°C	-46°C to 260°C		-46°C to 177°C		-268°C to 288°C	
	°F	-50 °F to 500 °F		-50 °F to 350 °F		-450 °F to 550 °F	









E-Z BREAK® COPPER GRADE
Anti-Seize compound

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.

- Working temperature: to 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
- Two different forms for easy use and application: paste and stick.

DETAILS

8907	453g. BIC*
8910	283g. BIC*





E-Z BREAK® NICKEL GRADE
Anti-seize compound

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.

- Working temperature: to 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

DETAILS

8971	226g. BIC*
8972	453g. BIC*





REGULAR FLUX
Soldering flux paste

LA-CO Regular Flux is a water soluble flux that meets industry standard ASTM B813. With NSF and UPC approvals, this all-weather flux is the ultimate flux for all copper soldering.

- Water-soluble paste won't leave residue in water piping
- Meets industry standard ASTM B813 and contains no zinc chloride to reduce corrosion concerns.
- Non-acid, non-toxic, and lead-free to eliminate safety concerns
- Cleans pipe upon application, allowing solder to run more smoothly around the pipe
- All-weather formula for use in hot and cold climates
- Certifications
  - ASTM B813
  - NSF 61
  - UPC
  - Mil. Spec. Mil-F-4995 Type II

DETAILS

22101	56g.
22104	113g.
22194	113g. BIC
22107	453g



* Brush In Cap (=BIC)



FLUX M-A
Stainless steel flux liquid

Developed for fast fluxing action on stainless steel, M-A Flux is excellent for projects on stainless gutters and roofs, among many other applications. It contains no zinc chloride and it will not cause progressive corrosion on stainless pipe. There is no neutralizing necessary when using it to solder stainless steel.

- Fast fluxing action for stainless steel and chrome
- Contains no heavy metal chlorides, preventing potential flux damage

DO NOT USE ON POTABLE WATER TUBING



DETAILS
23913 946ml



ALUMINUM FLUX PASTE
Solders aluminum at low temperatures

This flux paste is designed for aluminum-to-aluminum or aluminum-to-copper soldering at low temperatures. It provides for soldering below the melting point of the aluminum.

- Low-temperature soldering prevents aluminum components from melting
- New aluminum HVAC components will not stall job completion
- Resists electrolytic action between aluminum and copper, preventing leakage between dissimilar metals

DETAILS
22407 454g.





COOL GEL®— Gel
Heat Barrier Spray

Cool Gel® can be used to protect lead free valves during the soldering process and with any other soldering or brazing job to protect components and materials from costly heat damage. Cool Gel's unique, no-drip gelled formula evaporates within 48 hours, eliminating cleanup. Using Cool Gel is easier than using a heat blanket, and provides assurance the job can be completed without costly heat damage.

- Protects lead free valves during soldering
- Reduces the threat of costly heat damage to rubber seals and gaskets
- Protects components and materials during soldering to avoid heat damage
- Protects painted and finished surfaces from discoloration due to torch heat
- Unique gelled formula sticks to surfaces without dripping or running off
- Clear, non-staining gel leaves no residue, eliminating cleanup
- Safe, non-toxic, harmless to skin, and odorless



DETAILS
11509 946ml
11513 473ml



BLOC-IT®
Heat absorbing paste

This heat absorbing paste has been time tested for protecting materials from heat damage. Typical uses include soldering on ball, dielectric, and solenoid valve components. BLOC-IT prevents metal distortion and protects painted or finished surfaces from adjacent soldering, brazing, or welding.

- Absorbs heat effectively, protecting adjoining surfaces from heat damage
- Safe, non-toxic, no asbestos, harmless to skin, and odorless
- Easy application and cleanup; non-staining



DETAILS
11511 283g.



HEAT-SEAL STIK®

Premixed epoxy sealer for use on refrigeration systems

Refrigeration coils are prone to pinhole leaks and hairline cracks. Heat-Seal Stik® was specifically made to seal these small holes for an immediate fix, even if the appliance will need to be replaced eventually. Heat-Seal Stik works with heat - no mixing of epoxy compounds necessary.

- Sealing temperature: up to 177°C (350°F)
- Pressure: to 41 BAR (600 PSI)
- Repair pinhole leaks and get refrigeration system running again without having to replace an entire appliance
- No mixing of epoxy compounds, heat activation saves time on the job
- Fast repairs completed in 90 seconds

DETAILS

11575	-
11577	blister





EPOXY STIK®

Epoxy repair compound for water piping systems

Water system leaks and cracks can be easily sealed with the Epoxy-Stik®. Safe on potable water systems, this epoxy hardens in 5-10 minutes. Simply remove the protective wrapping and mix the two compounds together.

- Withstands temperatures up to 121°C (250°F)
- 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

DETAILS

19571	-





OYLTITE-STIK®

Epoxy repair compound for low pressure equipment

For fast temporary repair on small engine leaks, use Oyltite-Stik®. It stops oil and gasoline leaks without the need for equipment draining. Use Oyltite-Stik on low-pressure gas tanks, oil tanks, and more.

- Pressure to 1 BAR (15 PSI)
- Stops leaks fast for temporary repair of oil and gasoline leaks
- Apply directly to the fuel tank without draining, less time is spent stopping the leak

DETAILS

11475	35g.





PLASTO-JOINT® STIK — Plastic thread sealant in a stick

Ideal for pool and spa installation, the Plasto-Joint® Stik was designed for superior sealing of plastic pipe threads. It easily fits inside a shirt pocket for convenient mobility.

- Pressures: 20 BAR (300 PSI) for gas; 34 BAR (500 PSI) for liquid
- Sealing temperature: up to 121°C (250°F)



DETAILS
11775 35g.



T-O-T® — Pipe thread compound

This economical pipe thread sealant is great for sealing metal threads on many types of systems with pressures under 34 BAR (500 PSI).

- Pressures: 24 BAR (350 PSI) for gas; 34 BAR (500 PSI) for liquid
- Sealing temperature: up to 177°C (350°F)
- No-drip siliconized formula for fast application on metal threads
- Lead-free, non-toxic, no V.O.C.'s



DETAILS
12219
(236ml.)
BIC



PIPETITE® PASTE— Soft set pipe thread compound

This economical pipe thread sealant is great for sealing metal threads on many types of systems.

- Pressures: 177 BAR (2,600 PSI) for gas; 340 BAR (5,000 PSI) for liquid
- Sealing temperature: up to 204°C (400°F)
- No V.O.C.'s



DETAILS
12109
(118ml.)
BIC

12110
(236ml.)
BIC



PIPETITE® STIK Thread sealant in a stick

PIPETITE® STIK is LA-CO®'s original thread sealant. It was designed for professional pipefitters who needed an efficient way to seal pipe. It easily fits inside a shirt pocket for convenient mobility.

- Pressures: 24 BAR (350 PSI) for gas; 136 BAR (2,000 PSI) for liquid
- Sealing temperature: up to 177°C (350°F)
- Safe, non-toxic, non-drying



DETAILS
11175 35g.
11176 113g.

FOR SEALING OXYGEN CONDUITS USE OXYTITE PASTE OR SLIC-TITE PTFE TAPE



OXY-TITE®
Pipe thread sealant for oxygen systems

Oxygen piping systems need a specially formulated thread sealant, and OXY-TITE® is the perfect product for these sensitive systems. Each batch of OXY-TITE® is tested to the stringent standard of ASTM G-72.

- PTFE thread sealant specifically formulated for oxygen services
- Pressures: 180 BAR (2,600 PSI) for oxygen gas
- Sealing temperature: -196°C to 232°C (-320°F to 450°F)
- No V.O.C.'s

DETAILS
42805 113 g





LA-CO® LOC®
Anaerobic pipe thread sealant

Designed to harden and seal in the absence of oxygen, LA-CO® LOC® Anaerobic Thread Sealant is excellent for heavy vibration areas such as fire sprinkler systems, compressors, and reciprocating equipment.

- Pressures: 204 BAR (3,000 PSI) for gas; 680 BAR (10,000 PSI) for liquid
- Sealing temperature: -54°C to 204°C (-65°F to 400°F)
- Contains PTFE for a positive seal
- Anaerobic adhesive provides locking power
- Contains no solvents that may shrink and weaken seal
- Ideal for threads in heavy vibration areas
- DO NOT USE ON OXYGEN SERVICE; USE OXYTITE PASTE OR SLIC-TITE PTFE TAPE
- Made in USA with globally sourced materials

DETAILS
49050 50ml.
49250 250ml.





LEAK TITE®-BLUE
Economical thread sealant with PTFE

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.

- Pressures: 102 BAR (1,500 PSI) for gas; 340 BAR (5,000 PSI) for liquid
- Sealing temperature: -46°C to 260°C (-50°F to 500°F)
- 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

DETAILS
46009 (118ml.) BIC





OIL MARKER
Handy universal lubricant in a marker form

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

- Chisel tip marker for exact delivery to the contact avoiding drips and wiping
- Eliminates humidity: on electric or electronic circuits and contacts
- Cleans and leaves protective lubricant in one easy step
- Silicone free, safe on metals and plastics
- Offers protection from oxydation and corrosion while improving contact and conductivity



DETAILS
31100001 Oil Marker
199011 Display with 32 markers



PRECISION SPOUT OILER

General purpose lubricating oil

When equipment is in hard-to-reach places, professionals use the Precision Spout Oiler to get the job done. With a specially designed telescoping spout, LA-CO's Precision Spout Oiler can reach up to 33cm (13") to lubricate motors, bearings, and more.

- Special telescoping spout lubricates hard-to-reach areas up to 13" away
- Premium grade oil is excellent for all general purpose lubricating



DETAILS
79704
(118ml.)



LUBRI-JOINT®

Water dispersible gasket lubricant

FBC™ System Compatible Lubri-Joint® is suitable for all types of pipelines - including PVC and soil pipe. It is ideal for lubricating rubber gaskets and can be applied to wet or dry surfaces.

- FBC™ System Compatible
- Ideal for lubricating rubber gaskets, promoting proper expansion, and ensuring correct fit
- Suitable for all types of pipelines, including PVC and soil pipe, so only one brand of gasket lubricant is needed
- Non-bacterial, non-petroleum, no objectionable odor
- Can be applied to wet or dry surfaces, making preparation easy
- Will not deteriorate natural or synthetic rubber, plastic gasket, or cast iron pipe



DETAILS
78713
(946ml)



VISU-GLOW®

High-visibility leak detector

This leak detector is formulated with a high viscosity so it can be used on vertical surfaces. VISU-GLOW® is designed to detect leaks on CSST systems using its high-visibility fluorescent color, even in dimly lit areas.

- Temperature range: -9°C to 93°C (15°F to 200°F)
- Built-in dauber and high viscosity allow for easy application
- Highly visible fluorescent color shows brightly, even in dimly lit places
- Non-corrosive, non-toxic, safe for oxygen



DETAILS
32898
(240ml.)



SURE-CHEK®

All-temperature leak detector

Specially formulated to work within a broad temperature range, Sure-Chek® leak detector can be used on CSST systems in many climates. It doesn't contain chlorides, so it won't damage metal pipe. Simply spray it on gas line connections and any leaks will be seen with sure-chek's highly visible fluorescent bubbles.

- All-temperature formula: -48°C to 93°C (-55°F to 200°)
- Handy spray bottle allows for easy, targeted application
- Ultra-sensitive long lasting bubbles for easy leak identification
- Non-corrosive, non-toxic, safe for oxygen



DETAILS
32850
(473ml.)

ALL-WEATHER®

The All-Weather® brand of livestock marking and identification products is the world's most trusted brand for herd management on dairy and swine farms. Our All-Weather® livestock marking products have helped support global increases in herd sizes and have provided low-cost, efficient solutions for animal heat detection, vaccination, insemination, and other high-volume herd management needs.



PAINTSTIK® LIVESTOCK MARKER — Real paint in stick form





The All-Weather Paintstik® is the original Livestock Marker created over 69 years ago. The special paint formula in stick form is designed to temporarily mark all types of livestock including dairy and beef cattle, hogs, and sheep. The non-toxic paint is safe for all types of livestock. Available in 10 colors for all your marking needs.

- Real paint for longer lasting identification
- Resists weather and water
- Non-toxic, safe for all livestock
- Wide range of colors to chose from
- Marks on wet or dry animals

HC PAINTSTIK® LIVESTOCK MARKER — Hot climate marking





The All-Weather HC Paintstik® is a Livestock Marker specially formulated to withstand the higher temperatures found in extreme hot climates. The solid paint in stick form will effectively mark livestock in a wide range of temperatures from 4° C to 55° C. The non-toxic paint is safe for use on all types of livestock including dairy and beef cattle, hogs, and sheep. Available in eight colors to meet all your marking needs.

- Special paint formula to withstand hotter summer temperatures
- Real paint for longer lasting identification
- Resists water and weather
- Non-toxic, safe for all livestock
- Marks on wet or dry animals
- Fits the Ultimate holder

TWIST-STIK® LIVESTOCK MARKER — Twist-Stik® convenience





The All-Weather® Twist-Stik® Livestock Marker provides the convenience of a twist-up holder to keep hands and clothing cleaner and allow the entire use of the paint from each marker. The special paint formula is a proven economical way to temporarily identify livestock for sorting, inoculations, breeding and healthcare procedures. The non-toxic paint is water and weather resistant. Available in a wide range of colors for all your marking needs.

- Twist-Stik® holder keeps paint off hands and clothing
- Real paint for longer lasting identification
- Non-toxic, safe for all livestock
- Nine, highly visible colors available for all your identification needs
- Size: 3,17cm to 12cm

DETAILS

PAINTSTIK®	HC PAINTSTIK®	TWIST-STIK®	
61011	-	-	(F) Yellow Fluo
61012	61212	61072	(F) Pink Fluo
61016	61216	61076	(F) Green Fluo
61028	-	-	(F) Orange Fluo
61021	-	61061	Yellow

PAINTSTIK®	HC PAINTSTIK®	TWIST-STIK®	
61022	61222	61062	Red
61023	-	61086	Black
61024	61224	61040	Orange
61025	61225	61065	Blue
61026	61226	61066	Green
-	-	61087	Purple

QUIK SHOT® SPRAY PAINT INVERTED TIP — Fast, cost-effective livestock marking





All-Weather Quik Shot® provides a fast and economical way to mark dairy and beef cattle. The high-visibility colors are long lasting and easily seen on all colors of cows. The special water-based paint formula is quick drying and long lasting. The aerosol spray is equiped with an inverted tip.

- Clean to use with no waste
- Fast drying paint for longer lasting identification on the cows
- Non-toxic, safe for all livestock
- Inverted tip spray can for convenient marking
- V.O.C. compliant
- Large 470 ml can for many marks per can
- Comes in regular and fluorescent colors

DETAILS

61112	(F)	Pink Fluo	61191		Red
61114	(F)	Orange Fluo	61193		Blue
61116	(F)	Green fluo	61195		Black

MEAT MARKER — For meat processing marking



All-Weather Meat Marker is the only marker registered by NSF for use in USDA inspected meat processing plants in the USA. New, improved marker gives twice the write-out per stick with greater breakage strength. Ideal for marking directly on animal carcasses and other meat parts.

- Designed to write on all types of animal carcasses during meat processing
- Only marker listed by NSF for use in USDA inspected meat processing plants in the USA
- Canadian Food Inspection Agency (CFIA) Compliant
- High-visibility color: purple
- Comes with new plastic sleeve with zipper for easy use
- Water-soluble



DETAILS

62102		Purple

PLASTIC TAG MARKER — Permanent ink marker for plastic surfaces



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.

- 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

5 MM



DETAILS

96623		Black
96734		Black (blister)

Like any other tool, markers and temperature indication products are specialized to help professionals do the jobs they need to do. As the industry's leader in these categories, we continuously invests in research and development to meet the requirements of a constantly changing and advancing marketplace. Through careful product evaluation and analysis, our chemists create proprietary formulas, which are designed to meet the needs of our customers.

We are very proud to introduce our 2019 new products improving our range and helping users to do their jobs better, faster, and smarter than ever before.



With over 85 years of marking expertise, the industry's leader is available 24/7 to help. Whether on your phone, tablet, or computer, the new Markal.com is the ultimate resource for product information, pictures, videos, and technical data.

Finding the right marker has never been easier.
Markal.com

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."







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.
LA-CO Industries continuously invests in research and development to meet the requirements of a constantly changing and advancing marketplace. Through careful product evaluation and analysis, our chemists create proprietary formulas, which are designed to meet the needs of our customers.
Our experienced customer service representatives are the heart of LA-CO Industries. Interacting with customers every day, our team expertly provides quote, receives orders, prepares documents, assists in product selection and answers customers inquiries.
Our manufacturing plants and warehouses in the United States and France allow our logistic specialists to efficiently serve customers' across the globe.
Our marketing department is committed to supporting our partners around the world. Lending our graphic design and creative expertise, we work with distributors to create unique promotions, sampling tools and cross-selling opportunities that are valuable to everyone, but most importantly the end-user.

Markal®

#1 in Industrial Markers

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