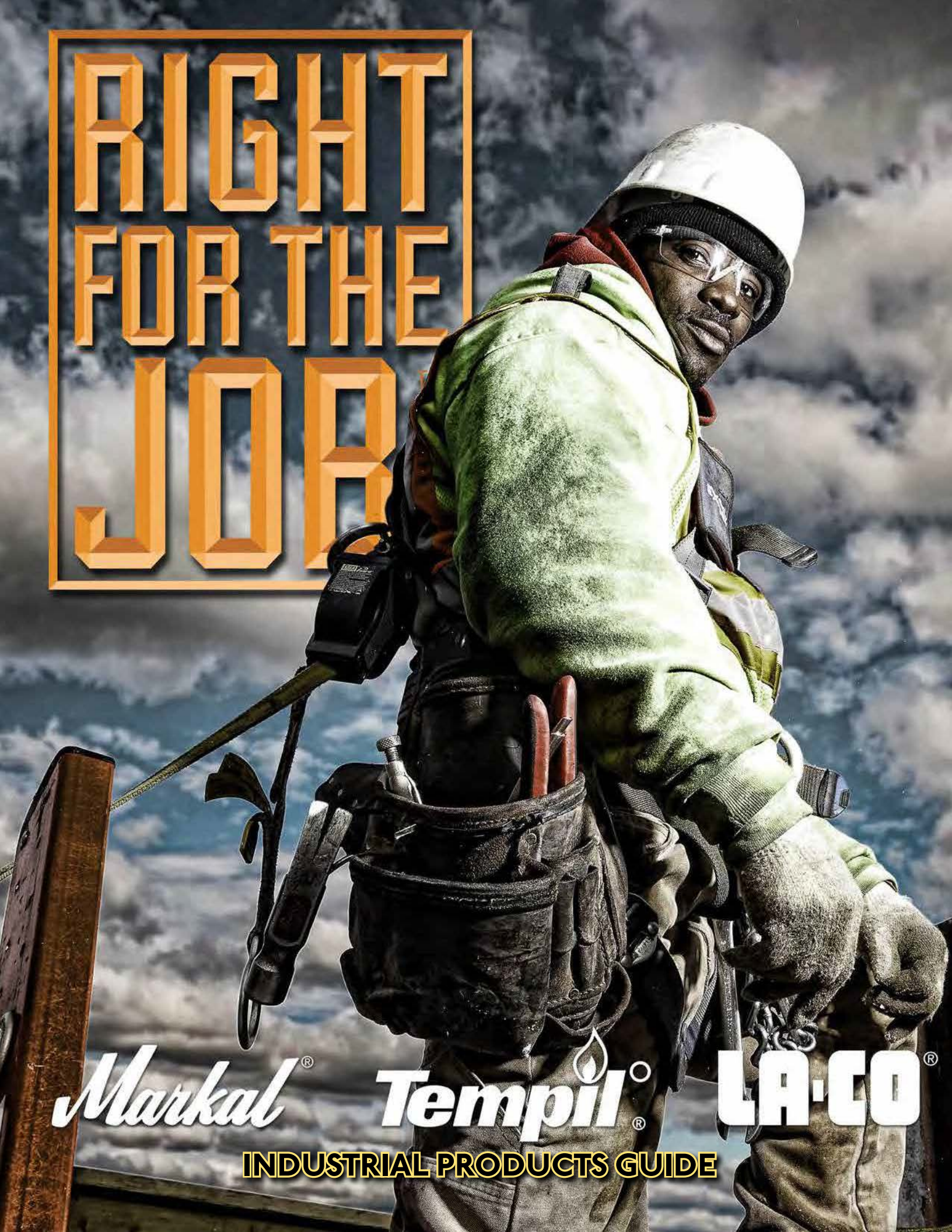


RIGHT  
FOR THE  
JOB



*Markal*<sup>®</sup>

*Tempil*<sup>®</sup>

**LA·CO**<sup>®</sup>

INDUSTRIAL PRODUCTS GUIDE

**LA-CO Industries** creates specialized products that are **RIGHT FOR THE JOB™**. From general marking tools to markers made especially for the unique needs of your job, and from temperature indicators to industrial coatings and chemicals, you'll find the products that will always perform to your professional standards.

**MARKAL®**

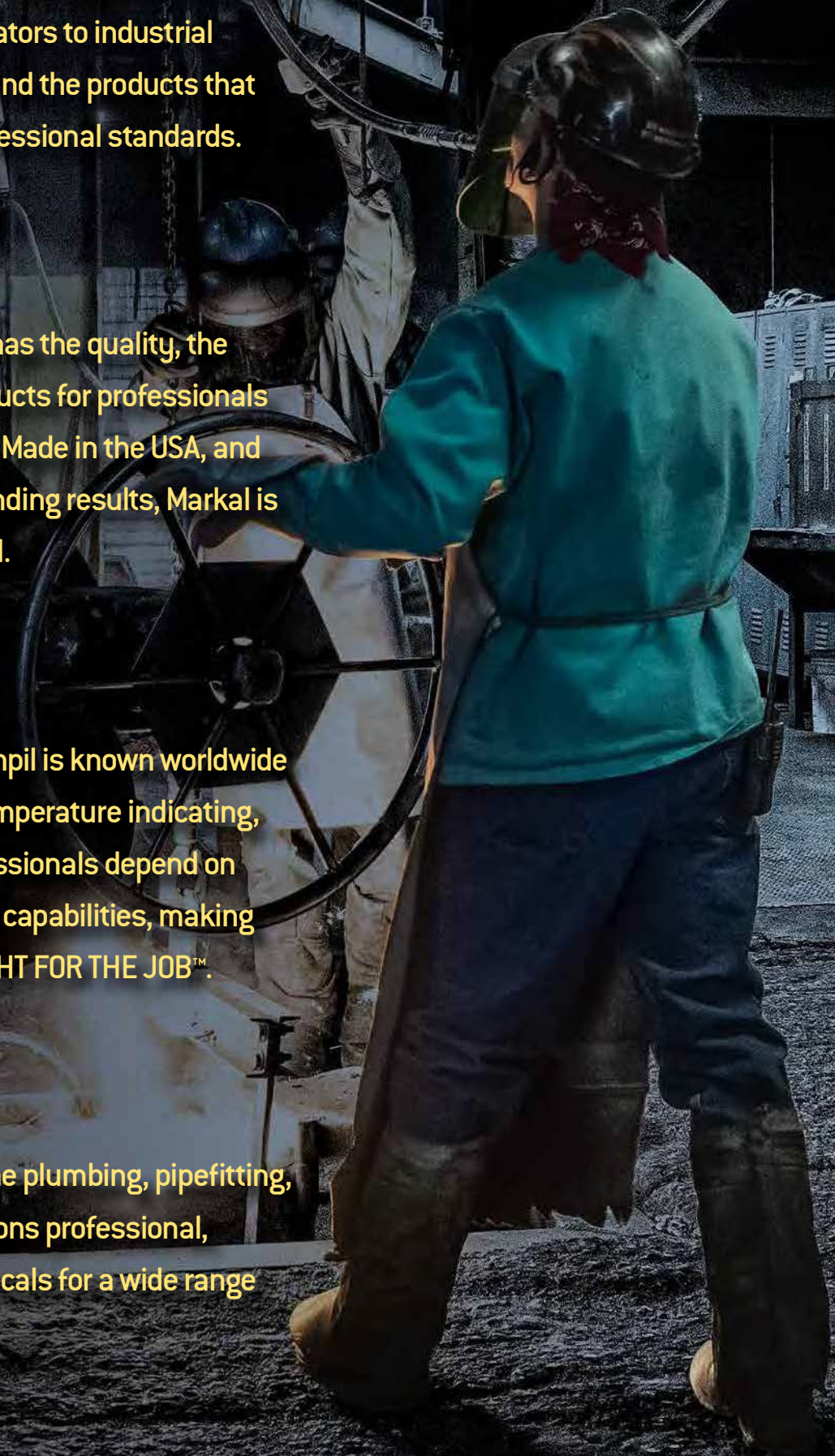
No other marker manufacturer has the quality, the precision, and the range of products for professionals and general industry as Markal. Made in the USA, and manufactured to deliver outstanding results, Markal is the industry's marking standard.

**TEMPIL®**

From Tempilstik® to Bloxide®, Tempil is known worldwide as the performance leader in temperature indicating, monitoring, and coatings. Professionals depend on Tempil's precision and technical capabilities, making each Tempil product exactly **RIGHT FOR THE JOB™**.

**LA-CO®**

Providing quality products for the plumbing, pipefitting, HVAC, and maintenance operations professional, LA-CO is a global leader in chemicals for a wide range of applications and solutions.



 **Made in America**

Products listed with this symbol are made in the USA with the highest attention to quality and dependability.

 **Xylene-Free**

Xylene-Free paint formulas reduce user health risks and eliminate California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.

 **Low VOC**

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

 **Low Corrosion Colors**

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

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

	Valve Action® Paint Marker	Certified Valve Action® Paint Marker	PRO-LINE® HP	PRO-LINE® WP	PRO-LINE® XT	PRO-LINE® HT	PRO-WASH®	Galvanizer's Marker	PRO-LINE® Fine	PRO-MAX®	BALL PAINT MARKER®	Stylmark®	Nissen Solid Barrel Metal Marker	Nissen Jumbo Feltip Paint Marker	Nissen Super Fine Metal Marker	Nissen Low Corrosion Fine Point Paint Marker	Security Check Paint Marker	ST.2100 Tube Marker	HT.1000 Tube Marker		
<b>PERMANENT</b>	<b>Metals</b>																				
	Clean, Dry	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Rough/Rusty					■						■	■	■	■	■	■	■	■	■	
	Oily			■																	
	Wet				■																
	Annealing, Heat Treating						■													■	
	Low Corrosion	■	■	■	■	■											■		■		
	Nuclear & Military Specifications		■														■				
	<b>Plastics</b>																				
	Clean, Dry	■		■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■
	Wet				■																
	<b>Rubber</b>																				
	Clean, Dry	■				■					■	■	■	■	■	■				■	
	Rough					■						■	■	■	■						
	<b>Glass, Ceramic</b>																				
	Clean, Dry	■		■	■	■	■			■	■										■
	Wet				■																■
	<b>Brick, Stone</b>																				
Clean, Dry	■		■	■	■	■			■	■	■	■	■	■	■	■				■	
Rough					■						■	■	■	■							
<b>REMOVABLE</b>	<b>Metals</b>																				
	Clean, Dry						■														
	Galvanizing							■									■				
	<b>Plastics</b>																				
Clean, Dry							■														
<b>Glass, Ceramic</b>																					
Clean, Dry							■														

■ Primary Selection    □ Secondary Selection



Mark Size 3mm



Mark Size 3mm



Mark Size 3mm



Mark Size 3mm



Mark Size 3mm



Mark Size 3mm

## Valve Action® Paint Marker

### For general marking

- Fast-drying, permanent paint for immediate handling reduces work downtime
- 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

## Valve Action® Paint Marker UV

### Visible in UV light

- Makes clear, invisible marks that illuminate bright blue when viewed with an ultraviolet or black light
- Invisible paint formula is ideal for security, theft-prevention, and quality control
- 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 store easily in pocket

## Certified Valve Action® Paint Marker

### Nuclear pre-certified

- 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

## PRO-LINE® HP

### For oily surface marking

- Unique paint formula spreading and dries quickly through oily surfaces to leave precise, permanent marks
- Durable metal barrel and nib reduce breakage for longer marking life
- Easy-to-grip clip-cap allows for convenient pocket storage

## PRO-LINE® WP

### For wet surface marking

- Specially formulated paint resists running or spreading on wet or damp surfaces to leave permanent, highly-visible marks
- Metal barrel and durable fiber tip provide long marking life
- Fast-drying, permanent paint reduces work downtime

## PRO-LINE® XT

### For rough surfaces and extreme durability

- 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
- Durable metal barrel and clip-cap reduce breakage and store easily in pocket



#### Case Quantity 48

Part No.	Color
96809	Brown*
96817	Purple*
96820	White*
96821	Yellow*
96822	Red*
96823	Black*
96824	Orange*
96825	Blue*
96826	Green*
96827	Gold*
96828	Light Green*
96830	Pink*
96832	Aluminum*
96835	Light Blue*
97050	Fluor. Yellow
97051	Fluor. Green
97052	Fluor. Orange
97053	Fluor. Pink

#### Case Quantity 144

96867 Replacement Nibs

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



#### Case Quantity 48

Part No.	Color
97054	Visible Blue

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



#### Case Quantity 48

Part No.	Color
96880	White*
96881	Yellow*
96882	Red*
96883	Black*
96884	Blue*
96885	Green*

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



#### Case Quantity 48

Part No.	Color
96960	White*
96961	Yellow*
96962	Red*
96963	Black*
96964	Orange
96965	Blue*
96966	Green
96967	Silver*
96970	Light Green
96971	Light Blue*
96972	Gold
96973	Pink*
96974	Purple
96975	Brown*

#### Case Quantity 144

96908 Replacement Nibs

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



#### Case Quantity 48

Part No.	Color
96930	White*
96931	Yellow*
96932	Red*
96933	Black*
96934	Blue*
96935	Green*
96936	Orange*
96937	Silver*

#### Case Quantity 144

96908 Replacement Nibs

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



#### Case Quantity 48

Part No.	Color
97250	White*
97251	Yellow*
97252	Red*
97253	Black*
97254	Blue*
97255	Green*
97256	Orange*
97257	Silver*
97258	Light Green*
97259	Light Blue*
97260	Gold
97261	Pink*
97262	Purple
97263	Brown*

#### Case Quantity 144

97023 Replacement Nibs

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

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

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



Mark Size 3mm

### PRO-LINE® HT

For high temperature resistance

- For marking on ambient temperature metal surfaces, fast-drying liquid paint marker resists high temperatures
- Engineered with *PrismaLock™* technology for long-lasting colors up to 1,800°F [982°C]
- Maximum mark readability (no color)
  - White - 2,100°F [1,148°C]
  - Yellow - 2,100°F [1,148°C]
  - Black - 2,200°F [1,204°C]
  - Blue - 2,000°F [1,093°C]



Case Quantity 48

Part No.	Color
97301	White
97302†	Yellow
97303	Black
97305	Blue



Mark Size 3mm

### PRO-WASH®

Removable liquid paint markers

- 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
- High-strength, light-weight plastic barrel designed for industrial use



Case Quantity 48

Part No.	Color
<b>PRO-WASH D</b>	
97010	White
97011	Yellow
97012	Red
97013	Black
97015	Blue
97016	Green

**PRO-WASH W**

97030	White
97031	Yellow
97032	Red
97033	Black
97035	Blue
97036	Green

Case Quantity 144

97023	Replacement Nibs
-------	------------------



Mark Size 3 mm

### GALVANIZER'S MARKER

Removable Paint Marker for Galvanizing

- 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



Part No.

Part No.	Color
28785	White
28786	Yellow

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



Mark Size 1.5mm

### PRO-LINE® Fine

For precision marking

- Fine tip size for precise, permanent paint marking
- High-strength, lightweight barrel designed for industrial-grade use
- Self-storing cap with clip protects tip for longer life and stores easily in pocket



Case Quantity 48

Part No.	Color
<b>Fine</b>	
96871	White
96872	Yellow
96873	Black
96874	Red
96875	Blue
96876	Green
96877	Orange
96878	Pink
96879	Light Green

♦ Marking range: 0°F to 150°F [-18°C to 66°C]



Mark Size 5mm, 8mm or 14mm

### PRO-MAX®

Extra-large liquid paint marker

- Largest marks available (up to 14mm) in an industrial paint marker
- Extra-large tip ideal for signage or safety marking where immediate identification is required
- 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



Case Quantity 24

Part No.	Color
90900	White
90901	Yellow
90902	Red
90903	Black
90904	Orange
90905	Blue
90914	Purple
90915	Gray
90917	Brown
90918	Pink

♦ Marking range: 0°F to 150°F [-18°C to 66°C]



Mark Size 3mm

### BALL PAINT MARKER®

Metal roller ball marker

- Durable metal-ball tip resists wear and clogging for long-marking life on rough surfaces
- Non-drip paint formula allows for easy jobsite marking
- Industrial paint withstands harsh environments and weather conditions
- Sturdy plastic bottle with 3mm steel ball tip
- Plastic cap keeps tip clean between jobs



Case Quantity 48

Part No.	Color
84620	White*
84621	Yellow*
84622	Red*
84623	Black*
84624	Orange
84625	Blue
84626	Green

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

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

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



Mark Size 3 mm



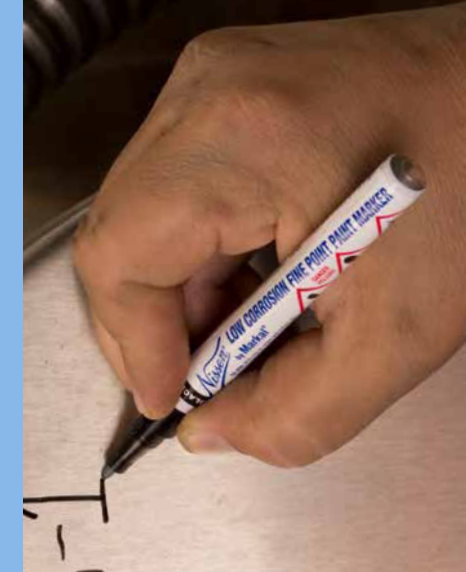
Mark Size 3 mm



Mark Size 8 mm



Mark Size 1 mm



Mark Size 1 mm



Mark Size 3 mm

### STYLMARK® Tube Marker

Ball tube marker for multiple surfaces

- Durable steel ball tip marks with indelible paint on smooth, rough or difficult surfaces
- Steel ball tip is resistant to very rough surfaces for long marking life
- Unique paint designed to not drip on vertical or overhead surfaces
- Mark temperature resistance: 392°F. (200°C)
- Weather-, water-, and UV-resistant

### NISSEN® Solid Barrel Metal Marker

Metal-tipped, pressurized liquid paint marker

- Unique pump mechanism for smooth paint flow
- Ideal for marking on smooth or rough surfaces
- Metal barrel and steel tip provide durability for longer marking life
- Weather-, wear-, and UV-resistant for long-lasting marks

### NISSEN® Jumbo Feltip Paint Marker

Liquid paint marker with extra-large tip

- 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® Super Fine Metal Marker

Steel tip marker for fine line marking

- 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
- Fast-drying, permanent paint for immediate handling reduces work downtime
- Stainless steel tip marks on rusty, rough, or dry surfaces

### NISSEN® Low Corrosion Fine Point Paint Marker

Low-corrosion solid paint Marker

- Ideal for use on stainless steel or super alloys in industries that require prevention against corrosion
- Eliminates need for fiber tip, perfect for almost any surface; smooth, rough, or rusty
- Fast-drying formula leaves wear-, weather-, and UV-resistant marks
- Xylene-free paint reduces user health risks

### Security Check Paint Marker

Torque security paint marker

- Paint marks crack for visual indication of loosening or tampering of bolts and parts.
- Dry to touch: 15 minutes
- Full cure: 4 days
- Mark temperature resistance: 392°F. (200°C)

Part No.	Color
1/8" (3mm)	
5/64" (2mm)	
3/16" (6mm)	
96652	White
96653	Yellow
96654	Red
96655	Black
96657	Orange
96657	Blue
96657	Green
96660	Violet
96650	Gray

Part No.	Color
28710	White
28711	Yellow
28712	Red
28713	Black
28714	Blue
28715	Green

Part No.	Color
28790	White†
28791	Yellow†
28792	Red†
28793	Black†

Part No.	Color
28840	White†
28841	Yellow†
28842	Red†
28843	Black†
28844	Fluor. Orange†

Part No.	Color
28780	Black††

Part No.	Color
96668	White
96669	Yellow
96670	Red
96671	Blue
96672	Green
96673	Black
96674	Orange
96675	Purple
96676	Plastic Tip

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

†† **WARNING:** Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

◆ Marking range: -4F to 158°F [-20°C to 70°C]

◆ Marking range: -50°F to 150°F [-46°C to 66°C]

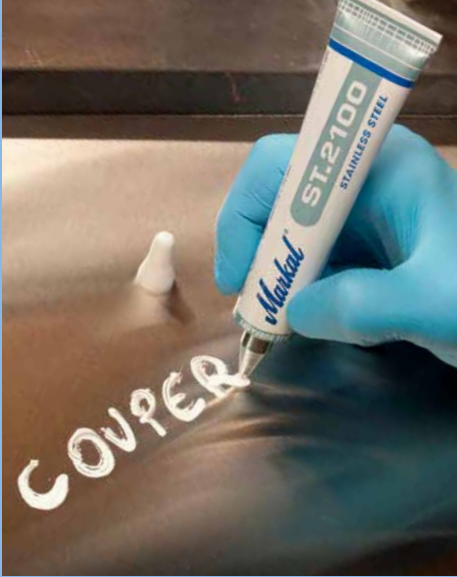
◆ Marking range: -50°F to 150°F [-46°C to 66°C]

◆ Marking range: -10°F to 600°F [-23°C to 316°C]

◆ Marking range: -50°F to 150°F [-46°C to 66°C]

◆ Marking range: -4°F to 158°F [20°C to 70°C]

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



Mark Size 2mm, 3 mm or 6mm



Mark Size 3 mm

## ST.2100 Tube Marker

### Ball tube marker for stainless steel marking

- Safe for use on stainless steel and other alloy metals where corrosion resistance is a requirement
- Offered in 3 sizes: 2 mm, 3 mm and 6mm for varied mark thickness
- 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)



Part No.	Color
<b>2mm (5/64")</b>	
97150	White
<b>3mm (1/8")</b>	
97160	White
97161	Yellow
97162	Red
97163	Black
<b>6mm (3/16")</b>	
97170	White
97171	Yellow
97172	Red

## HT.1000 Tube Marker

### Ball tube marker for annealing and heat-treating

- High temperature paint is ideal for welds, ingots, castings, forgings, and other annealed parts
- Paint withstands temperatures up to 1000°C
- Durable steel ball tip marks with indelible paint on rough or smooth surfaces for varied mark thickness



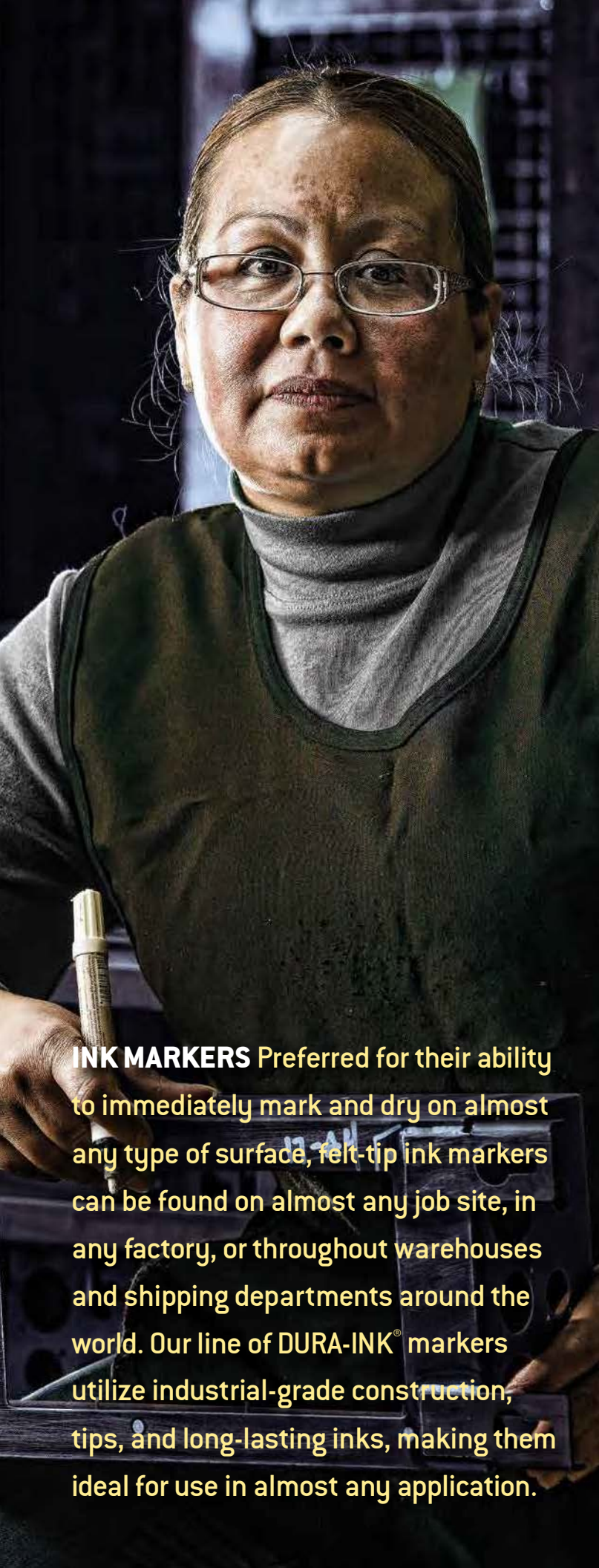
Part No.	Color
<b>3mm (1/8")</b>	
96700†	White

† **WARNING:** Cancer -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

♦ Marking range: -4°F to 158°F [-20°C to 70°C]

♦ Marking range: -4°F to 158°F [-20°C to 70°C]

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



**INK MARKERS** 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.

### Roll-resistant caps

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

### Durable and lightweight barrels

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

### Extra-tough tips

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

### Wear-resistant ink formula

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

#### Industry Uses

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

#### Surface Uses

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





**DURA-INK® 5**  
Extended micro tip



Case Quantity 48  
Part No. Color  
96520 ■ Black



**DURA-INK® 15**  
Fine bullet tip



Case Quantity 72  
Part No. Color  
96022 ■ Red\*  
96023 ■ Black  
96025 ■ Blue  
96026 ■ Green  
96027 ■ Silver



**DURA-INK® 20**  
Retractable fine bullet tip



Case Quantity 24  
Part No. Color  
96575 ■ Black  
96576 ■ Red



**DURA-INK® 25**  
Metal barrel, medium chisel tip



Case Quantity 48  
Part No. Color  
96222 ■ Red\*  
96223 ■ Black



**DURA-INK® 55**  
Medium chisel tip



Case Quantity 48  
Part No. Color  
96528 ■ Red\*  
96529 ■ Black  
96530 ■ Blue  
96531 ■ Green



**DURA-INK® 80**  
Valve-actuated tapered bullet tip



Case Quantity 48  
Part No. Color  
96923 ■ Black



Mark Size 1mm



Mark size 1.5mm



Mark Size 1.5mm



Mark Size 3mm or 6mm



Mark Size 1.5mm or 4.5mm



Mark Size 3mm

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

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



Mark Size 3mm or 8mm



Mark Size 3mm

## DURA-INK® 200

### Broad chisel tip



Case Quantity 24

Part No.	Color
96914	Green
96915	Blue
96916	Red*
96917	Black

## DURA-INK® WashAway™

### Wash removable ink marker

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

## DURA-INK® Dry Erase

### For temporary marking

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



Mark Size 9.5mm or 16mm



Case Quantity 48

Part No.	Color
96301	Pink†
96302	Blue
96303	Green



Case Quantity 48

Part No.	Color
96570	Red
96571	Black
96572	Blue
96573	Green

† **WARNING:** Cancer -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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



**SOLID PAINT MARKERS** With the introduction of the original B<sup>®</sup> Paintstik<sup>®</sup> in 1934, Markal<sup>®</sup> 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.

PERMANENT

	B <sup>®</sup>	B-E <sup>®</sup>	B-L <sup>®</sup> / BL-W <sup>®</sup>	E <sup>®</sup>	F <sup>®</sup>	FAST DRY <sup>®</sup>	M <sup>®</sup> / M-10 <sup>®</sup>	N <sup>®</sup>	P	Zephyr <sup>®</sup>	WS-3/8 <sup>®</sup>	Lacquer-Stik <sup>®</sup>	TYRE MARQUE <sup>®</sup>	Nissen <sup>®</sup> by Markal <sup>®</sup> Low Corrosion Solid Paint Marker	Nissen <sup>®</sup> by Markal <sup>®</sup> Solid Paint Marker	Quik Stik <sup>®</sup>	Quik Stik <sup>®</sup> Mini
<b>Metals</b>																	
Clean, Dry	■		■	■	■	■	■	■	■			■		■	■	■	■
Rough	■	■	■	■	■	■	■	■	■					■	■	■	■
Rusty	■	■		■	■	■								■	■	■	■
Oily	■																
Wet	■													■	■	■	■
Annealing, Heat Treating							■										
Low Corrosion	■													■			
<b>Plastics</b>																	
Clean, Dry	■		■	■	■	■		■				■		■	■	■	■
Rough	■	■	■	■	■	■		■						■	■	■	■
Oily																	
Wet	■													■	■	■	■
<b>Rubber</b>																	
Clean, Dry	■			■	■	■							■	■	■	■	■
Rough	■			■	■	■							■	■	■	■	■
Oily	■																
Wet	■												■	■	■	■	■
<b>Glass, Ceramic</b>																	
Clean, Dry	■					■								■	■	■	■
Rough	■	■				■						■		■	■	■	■
Wet	■												■			■	
<b>Brick, Stone</b>																	
Clean, Dry	■				■	■							■			■	
Rough	■	■			■	■							■			■	
Wet	■	■		■	■									■	■	■	■
<b>Before Painted Surface</b>																	
Bleed Through Paint			■														
No Bleed Through								■									
<b>Painted Surface</b>																	
Clean, Dry	■			■	■	■											
Rough	■	■		■	■	■											
Oily	■																
Wet	■			■	■									■	■	■	■
<b>Non-porous Surfaces</b>																	
Clean, Dry									■	■	■		■				

■ Primary Selection ■ Secondary Selection

REMOVABLE



Mark Size Standard 17mm, Fine 9.5mm, King 25.4mm

### B<sup>®</sup> Paintstik<sup>®</sup>

Multi-purpose permanent marking

- Real paint for long-lasting, highly-visible marks
- Superior marking on rough, rusty, or dirty surfaces
- Solid paint marker eliminates replacement tips, sharpening or priming, increasing productivity
- Weather- and UV-resistant for long-lasting marks



Case Quantity 144

Part No.	Color	Size
80220	White*	Standard
80221	Yellow	Standard
80222	Red	Standard
80223	Black	Standard
80224	Orange	Standard
80225	Blue	Standard
80226	Green	Standard
80227	Pink	Standard
80228	Purple	Standard
80229	Brown	Standard
80230	Gray	Standard
80231	Gold	Standard
80232	Aluminum	Standard
80233	Silver	Standard
80821	Fluor. Yellow	Standard
80420	White	Fine
80421	Yellow	Fine
80260	White	King
80250	White	Hex
80251	Yellow	Hex

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

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



Mark Size 17mm

### B-E<sup>®</sup> Paintstik<sup>®</sup>

For marking very rough 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



Case Quantity 144

Part No.	Color
80620	White
80621	Yellow
80622	Red
80623	Black

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



Mark Size 17mm

### B-L<sup>®</sup> Paintstik<sup>®</sup>

Bleeds through oil-based paints

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



Case Quantity 144

Part No.	Color
80725	Blue

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



Mark Size 17mm



Mark Size Standard 17mm, King 25.4mm



Mark Size 17mm



Mark Size Standard 17mm, Fine 9.5mm



Mark Size 17mm



Mark Size 17mm

### BL-W® Paintstik®

Bleeds through water-based paints

- Marks bleed through water-based primers or paints
- Used for inspection, coding, layout or assembly operations
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use
- Durable weather- and UV-resistant marks

### E® Paintstik®

High-intensity color marking

- High-intensity colors for coding, identification, layout, and assembly work
- Durable weather- and UV-resistant marks
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use

### F® Paintstik®

Fluorescent color marking

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

### FAST DRY® Paintstik®

Fast drying solid paint crayon

- Marks dry within 5 minutes on wet, oily, dry, and rough surfaces
- Quick-drying marks allow for immediate handling without smearing
- Easy-to-hold, recyclable paperboard holder protects Paintstik for maximum use

### M® and M-10 Paintstik®

For annealing and heat-treating

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

### N® Paintstik®

Marks will not show through top coat of paint

- 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



Case Quantity 144

Part No.	Color
80735	Blue



Case Quantity 144

Part No.	Color	Size
88620	White	Standard
88621	Yellow	Standard
88624	Orange	Standard
88625	Blue	Standard
88640	White	King



Case Quantity 72

Part No.	Color
82831	Yellow
82832	Red
82834	Orange
82835	Blue
82836	Green
82842	Pink



Case Quantity 72

Part No.	Color	Size
82720	White	Standard
82721	Yellow	Standard
82722	Red	Standard
82730	White	Fine
82731	Yellow	Fine



Case Quantity 144

Part No.	Color
M	
81920	White
81921	Yellow†
81922	Red
81923	Black
M-10	
82020	White



Case Quantity 144

Part No.	Color
82120	White

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

♦ Marking range: 0°F to 150°F [-18°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]

† WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



Mark Size 17mm

### P Paintstik®

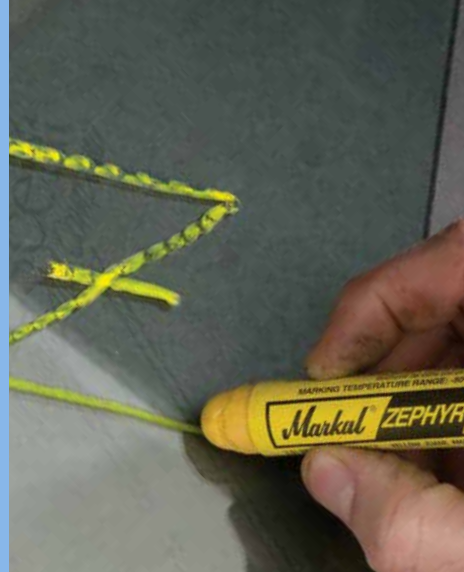
Marks are removed in the galvanizing process

- 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



Case Quantity 144

Part No.	Color
83420	White



Mark Size 17mm

### ZEPHYR® Paintstik®

Wear-resistant, water-soluble

- 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



Case Quantity 144

Part No.	Color
51321	Yellow



Mark Size 9.5mm

### WS-3/8® Paintstik®

Water-soluble, removable

- 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



Case Quantity 144

Part No.	Color
82420	White
82421	Yellow†
82422	Red
82423	Black

♦ Marking range: -20°F to 130°F [-29°C to 54°C]



### Lacquer-Stik®

For filling-in stamped or engraved lines

- 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
- No mess or waste, eliminates dripping paint
- Mark temperature resistance: up to 500°F (260°C)
- Meets U.S.A. federal specification TT-F-325a I and MIL-STD 171, Finish No. 30.1.1, Type I



Case Quantity 144

Part No.	Color
51120	White
51121	Yellow
51122	Red
51123	Black
51131	Gold

♦ Marking range: 0°F to 392°F [-18°C to 200°C]



Mark Size 12.7mm

### TYRE MARQUE®

Temporary tire marking

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



Case Quantity 144

Part No.	Color
51420	White
51421	Yellow

♦ Marking range: -50°F to 50°F [-6°C to 66°C]



### Nissen® by Markal®

Low Corrosion Solid Paint Marker

Low corrosion solid paint in durable holder

- Ideal for use on stainless steel or super alloys in industries that require prevention against corrosion, pitting
- Eliminates need for fiber tip, perfect for almost any surface; smooth, rough, or rusty
- Typical properties:
  - 200 ppm chlorides and total halogens
  - 300 ppm each low melting point metals
  - 200 ppm sulfur
- Fast-drying formula leaves wear-, weather-, and UV-resistant marks



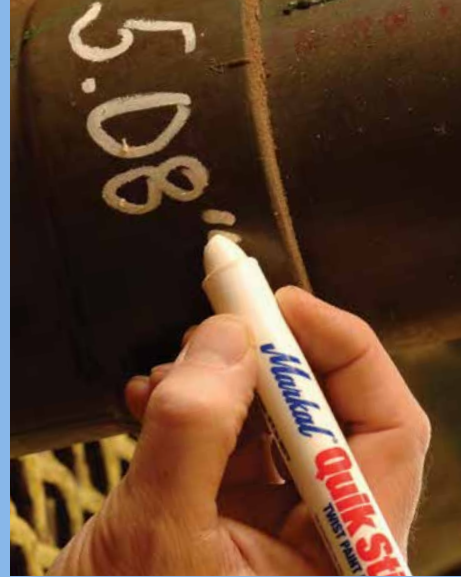
Case Quantity 144

Part No.	Color
28760	White
28761	Yellow
28762	Red
28763	Black

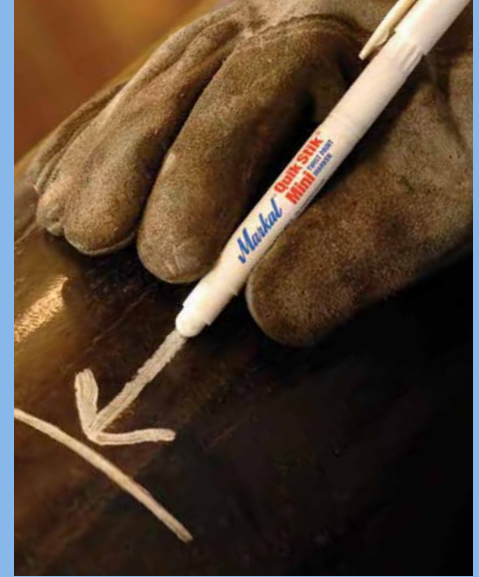
† WARNING: Cancer -  
www.P65Warnings.ca.gov.

♦ Marking range: 0°F to 150°F [-18°C to 66°C]

♦ Marking range: -50°F to 150°F [-46°C to 66°C]



Mark Size 13mm



Mark Size 8mm

## NISSEN® by Markal® Solid Paint Marker

Solid paint in durable holder

- 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
- Weather- and UV-resistant paint for long lasting marks
- Cured marks will withstand temperatures in excess of 500°F (250°C)



### Case Quantity 48

Part No.	Color
28770	White
28771	Yellow
28772	Red
28773	Black
28774	Blue
28775	Green
28776	Fluor. Yellow

## Quik Stik®

Fast-drying solid paint in twist-up holder

- 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



### Case Quantity 72

Part No.	Color
61049	Red
61050	Black
61051	White
61053	Yellow
61069	Green
61070	Blue
61071	Orange
61073	Purple
61041	Fluor. Yellow
61042	Fluor. Green
61043	Fluor. Orange
61044	Fluor. Pink
61045	Fluor. 4 Pk

## Quik Stik® Mini

Compact solid paint in twist-up holder

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

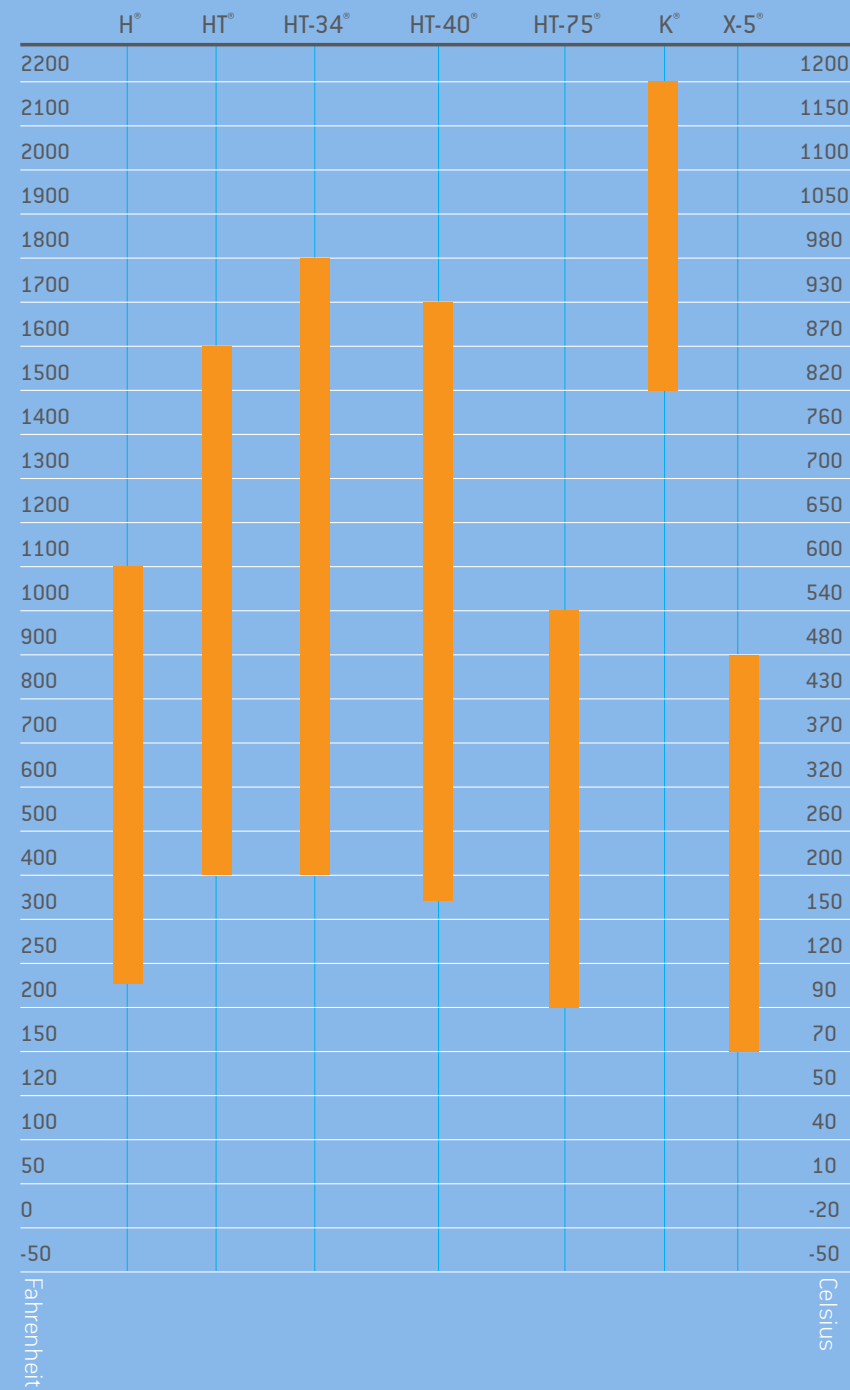


### Case Quantity 48

Part No.	Color
61126	White
61127	Yellow
61128	Red
61129	Black



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



- Fast-drying marks are permanent and will not run, char, flow, discolor, peel or crack
- Lasts longer, up to 3X the writing life of hot chalk

**Industry Uses**

Forge and casting foundries  
 Steel mills and warehouses  
 Aluminum mills  
 Smelting mills  
 Glass industry

**Surface Uses**

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



Mark Size 9.5mm

Mark Size Standard 9.5mm, King 19mm

**H° Paintstik®**  
 225°F to 1100°F  
 (107°C to 593°C)



Case Quantity 144

Part No.	Color
81020	White
81021	Yellow†
81022	Red
81023	Black†
81025	Blue
81026	Green

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

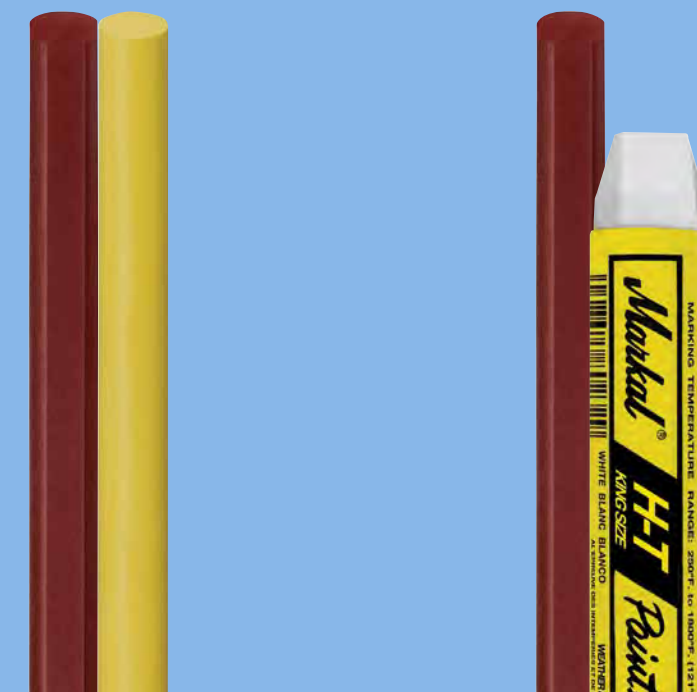
**HT° Paintstik®**  
 400°F to 1600°F  
 (204°C to 871°C)



Case Quantity 144

Part No.	Color	Size
81220	White	Standard
81221	Yellow†	Standard
81222	Red	Standard
81223	Black†	Standard
81225	Blue	Standard
81226	Green	Standard
81210	White	King

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





Mark Size Standard 9.5mm, King 19mm

Mark Size 19mm

Mark Size 19mm

**HT-34® Paintstik®**  
400°F to 1800°F  
(204°C to 982°C)



Case Quantity 144

Part No.	Color	Size
84720	White	Standard
84710	White	King

**HT-40® Paintstik®**  
350°F to 1700°F  
(177°C to 927°C)



Case Quantity 144

Part No.	Color
81610	White

**HT-75® Paintstik®**  
200°F to 1000°F  
(93°C to 538°C)



Case Quantity 144

Part No.	Color
84820	White



Mark Size 19mm

Mark Size 9.5mm

**K® Paintstik®**  
1500°F to 2200°F  
(816°C to 1204°C)



Case Quantity 144

Part No.	Color
81820	White

**X-5® Paintstik®**  
150°F to 900°F  
(66°C to 482°C)



Case Quantity 144

Part No.	Color
82520	White





### 100 Wooden holder

- 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°



Case Quantity 12	
Part No.	Length
85500	10.2cm



### 102 Adjustable metal holder

- Durable metal holder promotes long work-life for all standard 1.7cm 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°, E°, F°, M°, M-10°, N°, P°



Case Quantity 12	
Part No.	Length
85100	15.2cm

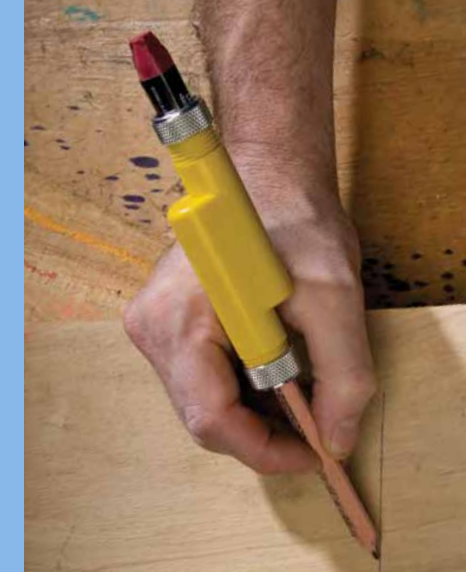


### 102K Long metal holder

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



Case Quantity 12	
Part No.	Length
85200	18.4cm



### 106 Dual holder for lumber crayons and carpenter pencils

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



Case Quantity 12	
Part No.	Length
85401	12.7cm



### 107 Metal holder for small diameter solid paint crayons

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



Case Quantity 12	
Part No.	Length
85300	14cm



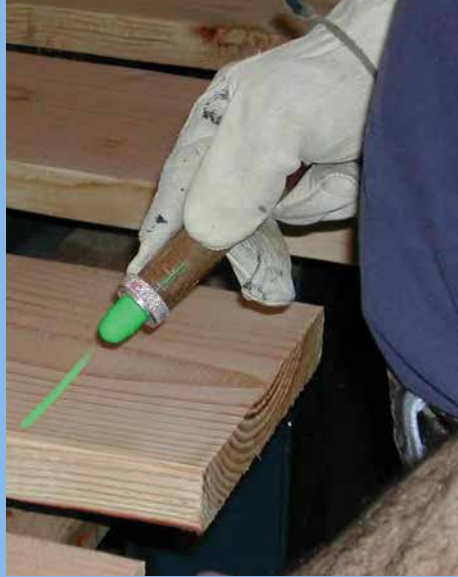
## 108 Metal holder for hex-shaped markers

- 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 1.3cm Markal® hex-shaped markers: lumber crayons 200, 500, Pro-EX®, and Tyre Marque®
- For safe distance marking, 0.6m and 0.9m extensions are available for special order



Case Quantity 12

Part No.	Length
85400	15.2cm



## 109 Peterson Wood holder for hex-shaped lumber and timber markers

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



Case Quantity 12

Part No.	Length
85490	12.7cm



## 111 Extra-long metal holder

- 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, 0.6m and 0.9m extensions are available for special order



Case Quantity 12

Part No.	Length
85700	28cm

**GENERAL PURPOSE MARKERS** 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.



	Markal Pro	TRADES-MARKER®	TRADES-MARKER® WS	China Marker	Carpenter's Pencil	Chalk
<b>Metals</b>						
Clean, Dry	■	■		■	■	■
Rough	■	■		■		■
Rusty	■	■		■		■
Metal Fabrication/Welding	■					
Low Corrosion	■	■				
<b>Plastics</b>						
Clean, Dry	■	■		■	■	■
Rough	■	■		■		■
<b>Rubber</b>						
Clean, Dry	■	■		■		■
Rough	■	■		■		■
<b>Glass, Ceramic</b>						
Clean, Dry	■	■		■		
Rough	■	■		■		
<b>Brick, Stone</b>						
Clean, Dry	■	■		■		■
Rough	■	■		■		■
<b>Painted Surface</b>						
Clean, Dry	■	■		■		
Rough	■	■		■		
<b>Tile, Polished Stone</b>						
Clean, Dry	■	■		■	■	■
<b>Non-porous Surfaces</b>						
Clean, Dry			■			

■ Primary Selection ■ Secondary Selection

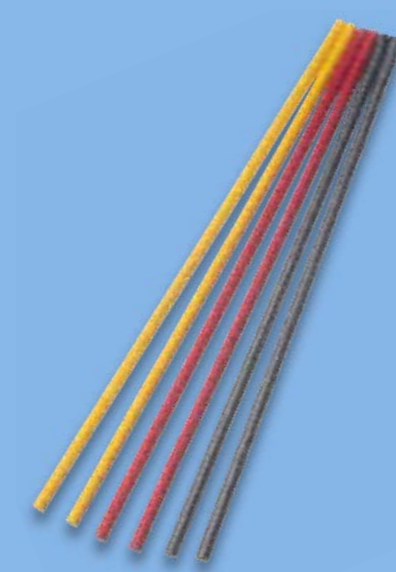


### MARKAL® PRO HOLDER

Mechanical holder for hard-to-reach areas

- Extended, needle-nose tip for tight and hard-to-reach areas
- Heavy-duty metal construction for use in the toughest jobs
- Easily refillable for continued use
- Built-in sharpener for precise marks
- 1x graphite lead included with holder
- For use only with Markal Pro refills

Case Quantity: 12  
Part No. 96270 Holder



Mark Size 2.88mm

### MARKAL® PRO

Pro refills for general purpose marking

- Marks on just about any surface; metal, plastic, glass, wood, paper, etc.
- Break-resistant, extra-wide leads
- For use only with Markal Pro Holder
- Refill size - Ø: 2.8mm, L: 120mm

Case Quantity: 12

Part No.	Color
96273	■ Graphite Refills 6 pack
96274	■ Red Crayon Refills 6 pack
96275	■ Yellow Crayon Refills 6 pack
96276	■ Multi-pack Refills 6 pack



Mark Size 3mm

### TRADES-MARKER®

Mechanical grease pencil

- 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

Case Quantity: 24

Part No.	Color	Case Quantity
<b>Bliester Card: 1-holder/5 refills</b>		
96000	Assorted	24
<b>Starter Pack: 1-holder/12 refills</b>		
96130	■ White	6
96131	■ Yellow	
96132	■ Red*	
96133	■ Black*	
96137	■ Orange	
<b>Refill Pack: 12 refills</b>		
96240	■ White	12
96241	■ Yellow	
96242	■ Red*	
96243	■ Black*	
96247	■ Orange	
<b>Bulk Pack: 1-holder/1 refill</b>		
96250	■ White	48
96251	■ Yellow	
96253	■ Red*	
96252	■ Black*	
96257	■ Orange	



Mark Size 3mm

### TRADES-MARKER® WS

Water-removable, mechanical grease pencil

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

Case Quantity: 6

Part No.	Color	Case Quantity	
<b>Starter Pack: 1-holder/12 refills</b>			
96190	■ White	6	
96191	■ Yellow		
96192	■ Black		
96193	■ Red	12	
<b>Refill Pack: 12 refills</b>			
96180	■ White		
96181	■ Yellow		
96182	■ Black		
96183	■ Red		
<b>Bulk Pack: 1-holder/1 refill</b>			
96170	■ White	48	
96171	■ Yellow		
96172	■ Black		
96173	■ Red		

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



Mark Size 3mm

### China Marker

Paper-wrapped marker, grease pencil

- 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

**Case Quantity 72**

Part No.	Color
96010	White
96011	Yellow
96012	Red
96013	Black
96014	Crimson
96015	Blue
96016	Green



Mark Size 3mm

### Carpenter's Pencil

Precise wood and concrete marking

- Economical pencil for clean, accurate marks on wood, concrete and other surfaces
- Flat marker design prevents rolling on work tables
- Available in soft, medium, and hard lead to fit the surface needs
- Length: 17.8cm



**Case Quantity 144**

Part No.	Lead
96927	Hard
96928	Medium
96929	Soft



### Carpenter's Chalk

For temporary line marking

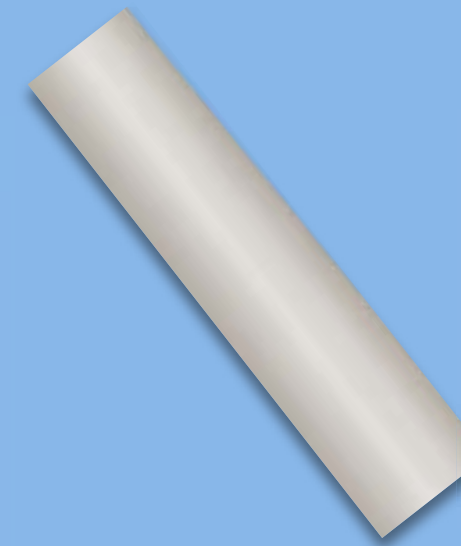
- Advanced color and opacity for improved mark visibility
- Finer in texture for cleaner, more durable marks
- Saves time and money compared to refillable reels



**Case Quantity 144**

Part No.	Color
80530	White
80531	Blue

**Warning:** This product can expose you to chemicals including Silicon Dioxide [CAS# 14808-60-7], which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### Railroad Chalk

Wide, temporary marks

- Large diameter chalk makes bold, wide temporary marks that are easy to read on virtually any surface
- Wide, tapered shape is easy to hold, even with gloves
- Length: 10.2cm



**Case Quantity 576**

Part No.	Color
80500	White
80501	Yellow
80502	Red
80505	Blue
80506	Green
80508	Sky Blue
80510	Pink

**Warning:** This product can expose you to chemicals including Silicon Dioxide [CAS# 14808-60-7], which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### Polishing Block Chalk

For roller grinding and extrusion

- Finer in texture and richer in color
- Offered in two sizes: Large 6.4 cm x 11.4cm x 22.9cm and Small 3.8cm x 5cm x 22.9cm

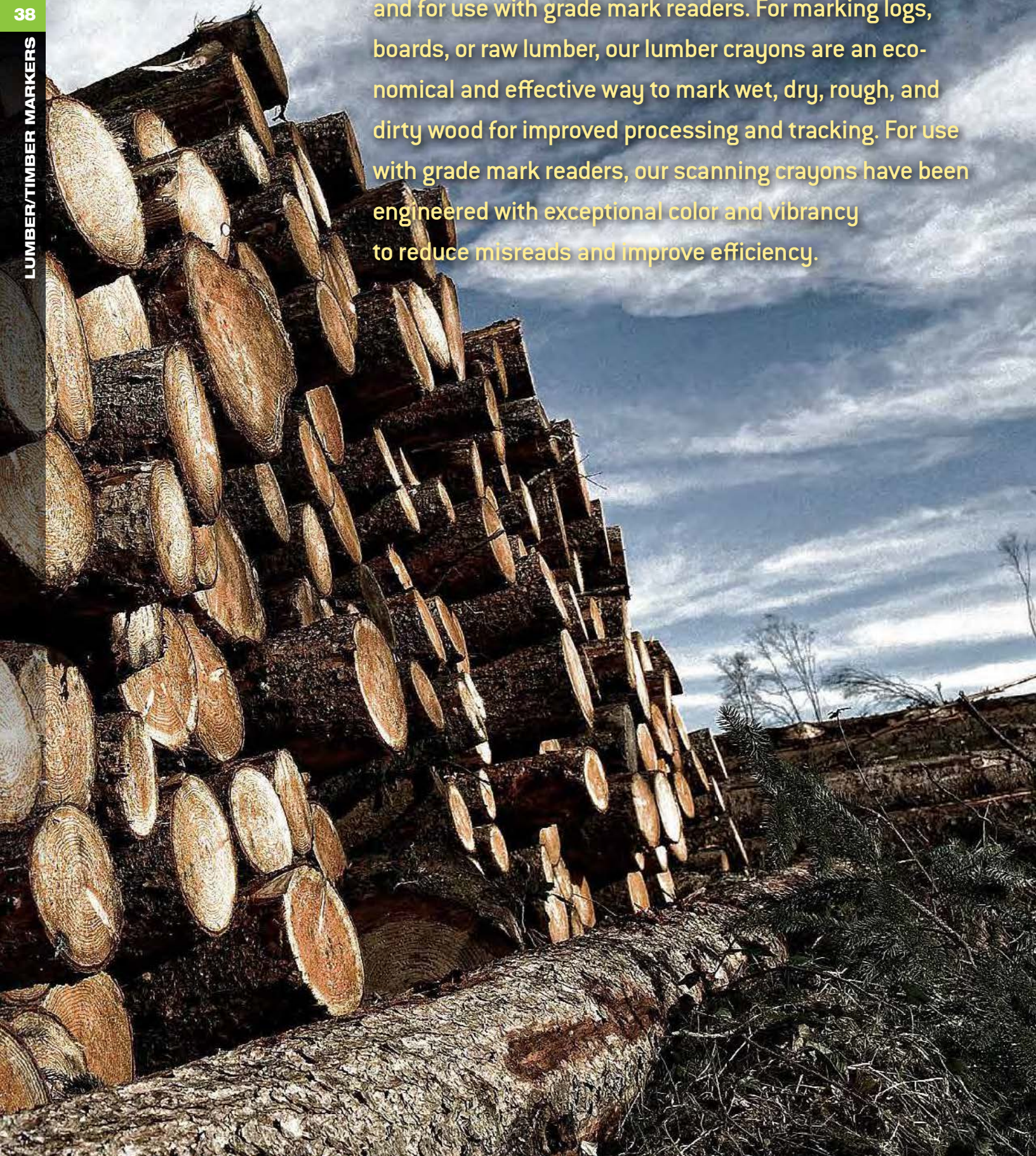


**Case Quantity 12**

Part No.	Color
80540	White
80541	Red
80542	Blue

**Warning:** This product can expose you to chemicals including Silicon Dioxide [CAS# 14808-60-7], which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**LUMBER AND TIMBER MARKERS** Whether marking raw materials in the field or in plant for processing, Markal has a marker engineered for use on almost any wood surface and for use with grade mark readers. For marking logs, boards, or raw lumber, our lumber crayons are an economical and effective way to mark wet, dry, rough, and dirty wood for improved processing and tracking. For use with grade mark readers, our scanning crayons have been engineered with exceptional color and vibrancy to reduce misreads and improve efficiency.



Mark Size 12.7mm

**Lumber Crayon 200**  
Economical, wax-based

- 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



Case Quantity 144

Part No.	Color
80350	White
80351	Yellow
80352	Red
80353	Black
80354	Orange
80355	Blue
80356	Green
80358	Purple

◆ Marking range: -20°F to 150°F (-29°C to 66°C)



Mark Size 12.7mm

**Lumber Crayon 500**  
Clay-based

- Known in construction trades as “keel” or layout chalk
- Clay-based formula provides longer marking mileage
- Special harder formula allows for superior marking in hot climates



Case Quantity 144

Part No.	Color
80320	White
80321	Yellow
80322	Red
80323	Black
80324	Orange
80325	Blue
80326	Green
80328	Purple

◆ Marking range: -20°F to 150°F (-29°C to 66°C)



Mark Size 12.7mm

**Pro-EX®**  
Premium, clay-based

- Stronger formula for reduced breakage and longer marking life
- Superior performance on wet, frozen, or treated wood
- Clay-based formula for smooth, fast marking

Case Quantity 144

Part No.	Color
80379	Brown
80380	White
80381	Yellow
80382	Red
80383	Black
80384	Orange
80385	Blue
80386	Green

◆ Marking range: -20°F to 150°F (-29°C to 66°C)

**WARNING:** Cancer - www.P65Warnings.ca.gov.



Mark Size 17mm

### Fluorescent Scanning Chalk

Rich and highly-visible marks

- Long-lasting marks on wet or frozen lumber and timber
- Finer in texture and richer in color
- Better lay-down capability

### ULTRASCAN®

High-performance crayon 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
- 26 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



Case Quantity 144

Part No.	Color
80560	Fluorescent Magenta
80561	Fluorescent Orange
80562	Fluorescent Yellow Green
80564	Fluorescent Green
80565	Fluorescent Purple



Case Quantity 72

Part No.	Color
82430	Brick Red 11
82431	Magenta 21
82432	Red Orange 31
82433	Orange 41
82434	Berry 51
82435	Lime 61
82436	Burgundy 12
82439	Dark Orange 42
82440	Brown 52
82441	Green 62
82442	Rust 13
82446	Yellow Orange 53
82447	Yellow 63



Case Quantity 72

Part No.	Color
82450	Blue Green 70
82457	Light Blue 81
82452	Royal Blue 80
82451	Bright Pink 91
82459	Bright Orange 44
82461	Spring Green 71
82462	Dark Brown 55
82463	Golden Rod 54
82466	Purple 24
82467	Bright Red 34
82468	Neon Orange 103
82469	Tan 45
82470	Tangerine 03



Mark Size 17mm

### SCAN-IT® Plus

For grade marking

- 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 12 fluorescent colors in three hardnesses for varying production environments
- Offered in 2 sizes: standard 17mm, hex shape 13mm



Case Quantity 144

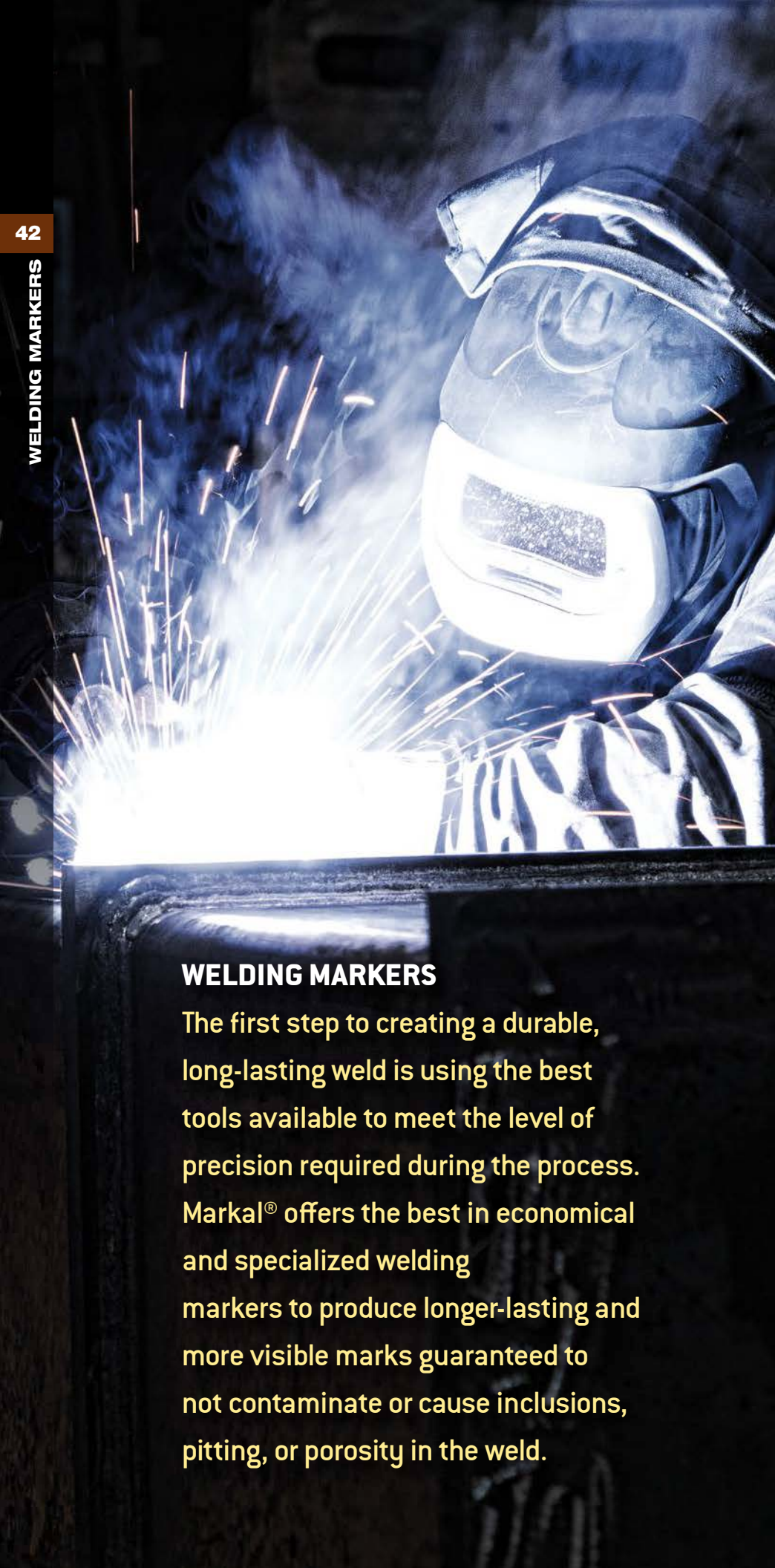
Part No.	Color	Hardness/Size
82630	Blue Moon	Soft/Hex
82640	Pink Lightning	Soft/Hex
82331	Orange Sherbet	Med/Hex
82340	Pink Lightning	Med/Hex
82341	Emerald Green	Med/Hex
82231	Orange Sherbet	Hard/Hex
82232	Watermelon Red	Hard/Hex
82234	Grasshopper Green	Hard/Hex
82636	Orange Sherbet	Soft/Round
82637	Watermelon Red	Soft/Round
82638	Red Cedar	Soft/Round
82639	Grasshopper Green	Soft/Round
82645	Pink Lightning	Soft/Round
82646	Emerald Green	Soft/Round
82648	Russet Brown	Soft/Round
82659	Lemon Yellow	Soft/Round

Case Quantity 144

Part No.	Color	Hardness/Size
82336	Orange Sherbet	Med/Round
82337	Watermelon Red	Med/Round
82338	Red Cedar	Med/Round
82339	Grasshopper Green	Med/Round
82345	Pink Lightning	Med/Round
82346	Emerald Green	Med/Round
82347	Pumpkin	Med/Round
82348	Russet Brown	Med/Round
82355	Pink Marble	Med/Round
82359	Lemon Yellow	Med/Round
82236	Orange Sherbet	Hard/Round
82237	Watermelon Red	Hard/Round
82238	Red Cedar	Hard/Round
82239	Grasshopper Green	Hard/Round
82245	Pink Lightning	Hard/Round
82246	Emerald Green	Hard/Round
82247	Pumpkin	Hard/Round
82248	Russet Brown	Hard/Round
82255	Pink Marble	Hard/Round
82258	Lime Green	Hard/Round

**Warning:** This product can expose you to chemicals including Silicon Dioxide (CAS# 14808-60-7), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





## WELDING MARKERS

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

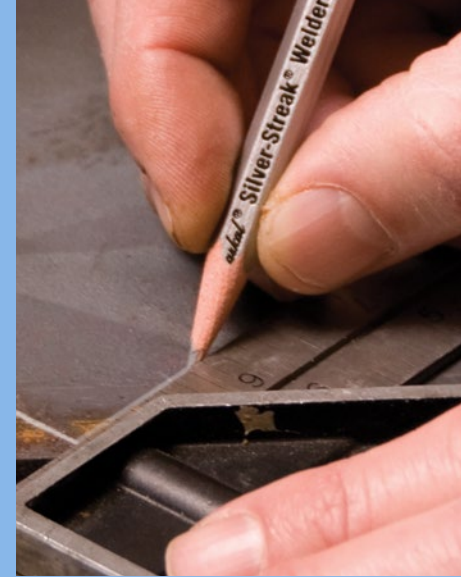


### Silver-Streak® For welding, metal layout and fabrication

- 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
- Durable, mechanical holder prevents stick breakage and features a convenient, built-in sharpener and pocket clip for easy storage



Part No.	Pack	Case Quantity
Round		
96006	1 Holder/1 Refill	24
96107	1 Holder/6 Refills	24
96007	Refill/6 Pack	24



### Silver-Streak® and Red-Riter® Welders Pencils For metal layout and fabrication

- The soapstone alternative: marks resist torch flames; will not rub, burn or blow off
- Durable marks will not scratch or abrade metal surfaces
- High-strength, hex-shaped pencil reduces barrel roll unlike competitive brands
- Pre-sharpened



Case Quantity: 72

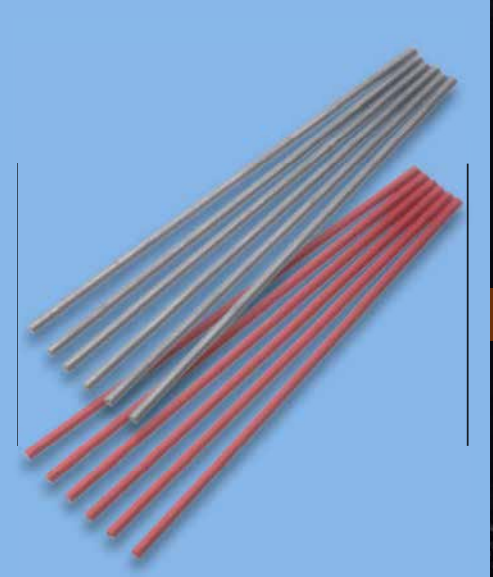
Part No.	Color
96100	Red
96101	Silver



### Soapstone Temporary marking

- Temporary marks can be easily removed
- Marks will not contaminate weld or damage metal surface
- Available in three easy to hold shapes: flat, round and square
- Holders for flat and round shapes reduce breakage

Part No.	Shape	Case Quantity
80129	Flat	432
80130	Round	432
80131	Square	432
<b>Holder</b>		
80140	Flat	12
80141	Round	12



### Markal® PRO Welding Refills Reflective lead refills for welding and fabrication layout

- Silver Streak Pro - Unique reflective lead perfect for welding and fabricating
- Red Riter Pro - 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 Pro Holder
- Refill size - Ø: 2.8mm, L: 120mm



Case Quantity: 12

Part No.	Case Quantity
96271	Silver-Streak PRO Refills 6 pack
96272	Red-Riter PRO Refills 6 pack
<b>Case Quantity: 12</b>	
Part No.	Case Quantity
96270	Holder

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

**TEMPERATURE INDICATING PRODUCTS** Whether used as part of a manufacturing process, welding, metal fabrication, or in quality control to help prevent damage caused by high temperatures, accurate temperature indication is a vital part of almost all industrial environments. For over 80 years, we have been a leading and trusted name in fast, reliable, and accurate temperature indication products for almost any job.



**Case Quantity 10**

Part No.	°F	°C
28000	100	38
28300	104	40
28002	109	43
28004	119	48
28301†	112	50
28005†	125	52
28302	131	55
28303	140	60
28006	150	66
28304†	158	70
28007†	163	73
28305	167	75
28008	169	76
28009	175	79
28306	176	80
28010†	182	83
28307†	185	85
28011†	188	87
28308	194	90
28012	200	93
28309	203	95
28013	206	97
28310	212	100
28014†	213	101
28015†	219	104
28016	225	107
28312	230	110
28313	239	115
28314†	248	120
28019†	250	121
28020†	256	124
28315†	257	125
28021	263	128
28316	266	130
28022	269	132
28023	275	135
28317	284	140
28024†	288	142
28025	294	146
28026†	300	149
28318†	302	150
28027	306	152
28319	311	155
28028	313	156
28320†	320	160
28029	325	163
28321	329	165
28322	338	170
28030	344	173
28323†	347	175
28031†	350	177
28324†	356	180
28032	363	184
28325	374	190
28033	375	191
28326	383	195
28034	388	198
28327	392	200

**Case Quantity 10**

Part No.	°F	°C
28035	400	204
28328	410	210
28036	413	212
28329	419	215
28037†	425	218
28330†	428	220
28331†	437	225
28332†	446	230
28039†	450	232
28333†	455	235
28040	463	239
28041†	475	246
28336†	482	250
28042†	488	253
28043†	500	260
28338	518	270
28044	525	274
28339	536	280
28045	550	288
28340†	554	290
28341†	572	300
28046†	575	302
28047†	600	316
28342†	608	320
28048	650	343
28343	662	350
28049†	700	371
28050†	750	399
28345†	752	400
28051†	800	427
28052	850	454
28347†	860	460
28053†	900	482
28349†	932	500
28055	950	510
28056★	1000	538
28057	1022	550
28350	1040	560
28058	1050	566
28059	1100	593
28351	1112	600
28060	1150	621
28352	1157	625
28061★	1200	649
28062†	1250	677
28355†	1292	700
28063†	1300	704
28064	1400	760
28065†	1450	788
28066	1500	816
28067	1550	843
28068	1600	871
28069	1650	899
28070	1700	927
28072†	1800	982
28073	1900	1038
28074	1950	1066
28075†	2000	1093

**Tempilstik®**  
Fast, accurate surface temperature indicator

- 116 temperatures available from 100°F(38°C) to 2000°F(1093°C)
- Stick instantly melts at designated temperature for easy and immediate visual inspection.
- Calibration-free with 100% reliability
- 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
- Accurate to within +/-1% Fahrenheit and +/-3% Celsius rated temperatures

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

‡ **WARNING:** Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

\* **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





### Tempstik® Test Kit

Temperature indicator and reference kit

- 20 Tempstik indicators systematically spaced between 125°F(52°C) -800°F(427°C)
- Stick melts at designated temperature for easy and immediate visual inspection with +/-1% accuracy
- Includes Preheating and Basic Guide to Ferrous Metallurgy charts for quick reference of critical temperatures
- Calibration free with 100% reliability



**Case Quantity 20**

Part No.	Description
28600†	Test Kit/20 Sticks

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### Certified Thermomelt®

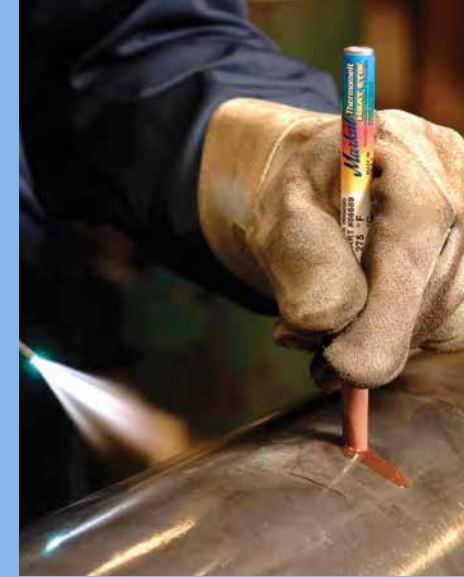
Nuclear pre-certified

- 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](http://www.markal.com/certified) for quick, accurate reference
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling



**Case Quantity 12**

Part No.	°F	°C
89100	100	38
89125†	125	52
89150	150	66
89175	175	79
89200	200	93
89225	225	107
89250	250	121
89275	275	135
89300†	300	148
89325	325	163
89350†	350	177
89375	375	191
89400†	400	204
89425	425	218
89450†	450	232
89475	475	246
89500	500	260
89525	525	274
89550	550	288
89650	650	343



### Thermomelt®

Accurate surface temperature indicating stick

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



**Case Quantity 12**

Part No.	°F	°C
86400	100	38
86436†	125	52
86463	150	66
86481	175	79
86517	200	93
86526	213	101
86544	225	107
86562	250	121
86589	275	135
86625†	300	149
86661	325	163
86697†	350	177
86715	375	191
86733†	400	204
86751	425	218
86769†	450	232
86787	475	246
86805	500	260
86823	550	288
86841†	600	316
86859	650	343
86868†	700	371

**Case Quantity 12**

Celsius	
86402†	50
86401	100
84664†	150
86516	200
86563	250
86734†	400

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## Tempilaq® Temperature Indicating Liquid

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

Sold as each  
Quart

Part No.	°F	°C
24558†	750	399
24560†	850	454
24562†	950	510
24564†	1050	566
24565†	1100	593
24566†	1150	621
24567†	1200	649

Part No.	°F	°C
Sold as each 2 oz		
24400†	175	79
24401†	200	93
24402†	225	107
24403†	250	121
24404†	275	135
24405†	300	149
24406†	313	156
24407†	325	163
24408†	350	177
24409†	363	184
24410†	375	191
24411†	400	204
24412†	425	218
24413†	450	232
24414†	475	246
24415†	488	253
24416†	500	260
24417†	525	274
24418†	550	288
24419†	575	302
24420†	600	316
24421†	650	343
24422†	700	371
24423†	750	399
24424†	800	427
24425†	850	454
24426†	900	482
24427†	950	510
24428†	1000	538
24429†	1022	550
24430†	1050	566
24431†	1100	593
24432†	1150	621
24433†	1200	649
24434†	1250	677
24435†	1300	704
24436†	1400	760
24437†	1450	788
24438†	1500	816
24439†	1600	871
24440†	1700	927
24441†	1800	982
24442†	1900	1038
24597	Green Label Thinner†	

† WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Temp-Alarm® Time/Temperature Signaling Paint

- Paint will irreversibly transition colors within 5 minutes at stated temperature
- Permanent record for inspection and quality control
- Highly identifiable color change for improved monitoring

Sold as each  
1 Gallon

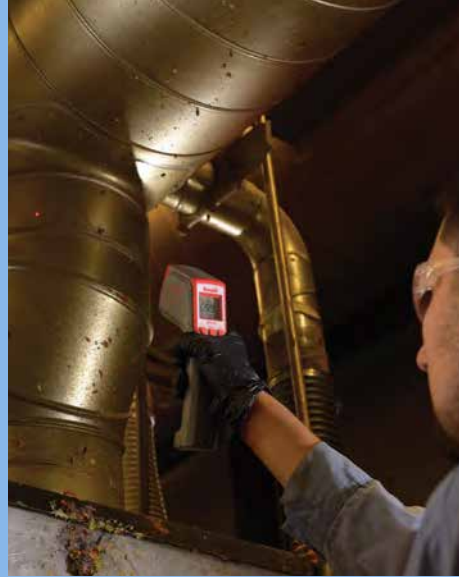
Part No.	°F	°C
24601‡	310	154
24603★	490	254

Sold as each  
5 Gallon

24600‡	310	154
24602★	490	254

‡ WARNING: Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

★ WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## Estik™ Electronic Surface Thermometer

- 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



### Sold as each

Part No.	Description
24290	Electronic Tempilstik Kit
24251	Electronic Tempilstik Kit- NIST Certified
24252	Thermocouple Band Replacement

## IRT-16 Infrared Thermometer

- Temperature measurement range between -76°F(-60°C)-1157°F(-625°C) 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

### Sold as each

Part No.	Description
24200	IRT-16
24201	IRT-16 - NIST Certified
24202	K-Probe Thermocouple



**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.



Label Size 23mm x 45mm



Label Size 12mm x 13mm

### Series 4 Tempilabel® Four-Level, Irreversible

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

### Series 21 Tempilabel® Single-Level, Irreversible

- Excellent accuracy to +/- 2% of the Fahrenheit rating
- Temperature range from 100°F (38°C)-500°F (260°C)
- Single-way color change
- Permanent record for inspection and quality control
- Calibration-free
- Oil-, water- and steam-resistant

Part Number	Temperature Range
Pack of 10	Roll of 1,000
26700	26750 °F 100 110 120 130 °C 38 43 49 54
26709	°F 120 130 140 150 °C 49 54 60 66
26701	°F 130 140 150 160 °C 54 60 66 71
26702	26751 °F 170 180 190 200 °C 77 82 88 93
26703	°F 190 200 210 220 °C 88 93 99 104
26705	°F 330 340 350 360 °C 166 171 177 182
26706	°F 125 150 175 200 °C 52 66 79 93
26707	°F 100 150 200 250 °C 38 66 93 121
26708	26752 °F 200 250 300 350 °C 93 121 149 177

Part Number	Temp. Range	Part Number	Temp. Range
Pack of 210	Roll of 1,000	Pack of 210	Roll of 1,000
26250	26275 °F 100 °C 38	26262	26286 °F 220 °C 104
26251	26276 °F 110 °C 43	26263	26287 °F 230 °C 110
26252	26277 °F 120 °C 49	26264	26295 °F 240 °C 116
26254	26278 °F 130 °C 54	26265	26288 °F 250 °C 121
26255	26279 °F 140 °C 60	26266	26289 °F 260 °C 127
26256	26280 °F 160 °C 71	26267	26290 °F 270 °C 132
26257	°F 170 °C 77	26268	26291 °F 280 °C 138
26258	26282 °F 180 °C 82	26269	26292 °F 290 °C 143
26259	26283 °F 190 °C 88	26270	26293 °F 300 °C 149
26260	26284 °F 200 °C 93	26271	26294 °F 400 °C 204
26261	26285 °F 210 °C 99	26272	26296 °F 500 °C 260



## Tempilabel® Reversible Reversible Temperature

- Excellent accuracy of +/- 2% of the Fahrenheit rating
- LCD technology for real-time, accurate readings as temperature fluctuates
- Temperature range from 86°F (30°C) -248°F (120°C)
- Calibration-free
- Oil-, water- and steam-resistant



Label Size 13mm x 44mm



### Part No. Temperature Range

Pack of 10

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

## Thermax® Irreversible Temperature Indicating Strip Labels

- Multiple and single temperature configuration available
- Excellent accuracy to +/- 2% of the Fahrenheit rating
- Temperature range from 84°F (29°C) to 500°F (260°C)
- Single-way color change
- Permanent record for inspection and quality control
- Calibration-free
- Oil-, water- and steam-resistant



### 5 Level

Label Size 18mm x 39mm

### Part No. Temperature Range

Pack of 10

26518	°F	99	104	109	115	120
	°C	37	40	43	46	49
26519	°F	120	129	140	149	160
	°C	49	54	60	65	71
26536	°F	84	93	99	104	108
	°C	29	34	37	40	42

### 6 Level

Label Size 12mm x 32mm

Pack of 10

26602	°F	84	93	99	104	108	111
	°C	29	34	37	40	42	44

### 8 Level

Label Size 18mm x 51mm

Pack of 10

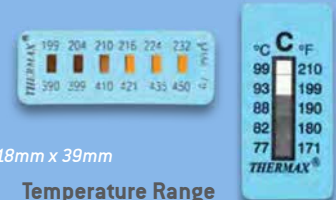
26803	°F	106	171	180	190	199	210	219	230	
	°C	71	77	82	88	93	99	104	110	
26807	°F	320	331	340	351	360	370	379	390	
	°C	160	166	171	177	182	188	193	199	
26809	°F	399	410	421	435	450	466	480	489	500
	°C	204	210	216	224	232	241	249	254	260

### 10 Level

Label Size 18mm x 1mm

Pack of 10

26101	°F	99	104	111	115	120	129	140	144	149	160
	°C	37	40	44	46	49	54	60	62	65	71





**PIPE THREAD SEALANTS** Industry professionals rely on thread compounds and sealants to help get the job done right. Made to highest quality standards and engineered to withstand some of the toughest environments, you can trust these products to help do the job faster, better, and safer.

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PIPE THREAD SEALANTS

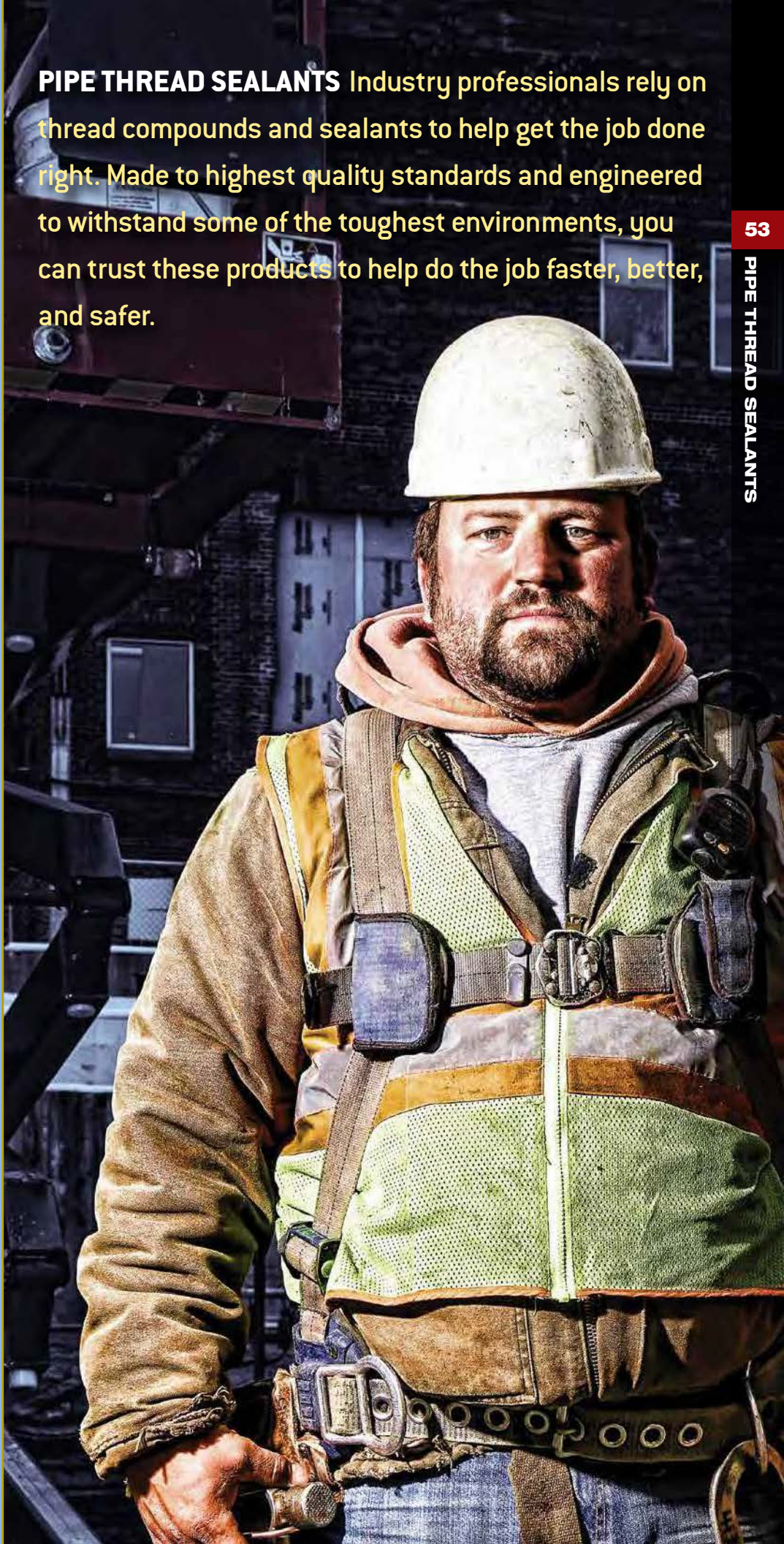
## **Slic-tite® Stik with PTFE** Premium thread sealant in a stick

- Pressures: 500 PSI (34 BAR) for gas; 5,000 PSI (340 BAR) for liquid
- Sealing temperature: -50°F to 350°F (-46°C to 177°C)
- Contains PTFE particles for greater sealing power
- Washes off hands and clothes easily; quick and easy cleanup
- Safe, non-toxic, non-drying
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Case Quantity 24

Part No.	Size
41600	1-1/4 oz.





### Slic-tite® Paste with PTFE

#### Heavy-duty pipe thread compound

- Contains PTFE for greater sealing power
- Pressures: 3,000 PSI (204 BAR) for gas; 10,000 PSI (680 BAR) for liquid
- Sealing temperature: -50°F to 500°F (-46°C to 260°C)
- Can be used on a variety of metals and plastic, eliminating the need for any other thread sealant
- Washes off hands and clothes easily; quick and easy cleanup
- Safe, non-toxic, non-drying
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Part No.	Size	Case Quantity
42009	1/4 pt. Brush-in-cap	24
42019	1/2 pt. Brush-in-cap	24
42012	1 pt.	24
42029	1 pt. Brush-in-cap	24
42013	1 qt.	12
42049	1 pt. Brush-in-cap	12
42014	1 gal.	4
42015	5 gal.	Pail
42069	55 gal.	Drum



### LEAK-TITE® Blue

#### Economical thread sealant with PTFE

- Pressures: 1,500 PSI (102 BAR) for gas; 5,000 PSI (340 BAR) for liquid
- Sealing temperature: -50°F to 500°F (-46°C to 260°C)
- Contains PTFE particles for greater sealing power
- Will not harden or dry out over time, remaining flexible for easy disassembly
- Safe, non-toxic, contains no solvents
- Washes off hands and clothes easily; quick and easy cleanup
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Part No.	Size	Case Quantity 24
46009	1/4 pt. Brush-in-cap	



### T-O-T®

#### Pipe thread compound

- Pressures: 350 PSI (24 BAR) for gas; 500 PSI (34 BAR) for liquid
- Sealing temperature: up to 350°F (177°C)
- No-drip siliconized formula for fast application on metal threads
- Lead-free, non-toxic, no V.O.C.'s
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Part No.	Size	Case Quantity 24
12219	1/2 pt. Brush-in-cap	



### PIPETITE® Paste

#### Soft set pipe thread compound

- Pressures: 2,600 PSI (177 BAR) for gas; 5,000 PSI (340 BAR) for liquid
- Sealing temperature: up to 400°F (204°C)
- No V.O.C.'s
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Part No.	Size	Case Quantity 24
12109	1/4 pt. Brush-in-cap	
12110	1/2 pt. Brush-in-cap	



### PIPETITE-Stik®

#### Thread sealant in a stick

- Pressures: 350 PSI (24 BAR) for gas; 2,000 PSI (136 BAR) for liquid
- Sealing temperature: up to 350°F (177°C)
- Safe, non-toxic, non-drying
- DO NOT USE ON OXYGEN SERVICE; USE OXY-TITE PASTE OR SLIC-TITE PTFE TAPE



Part No.	Size	Case Quantity
11175	Standard Size - 1-1/4 oz.	144
11176	King Size - 4 oz.	72



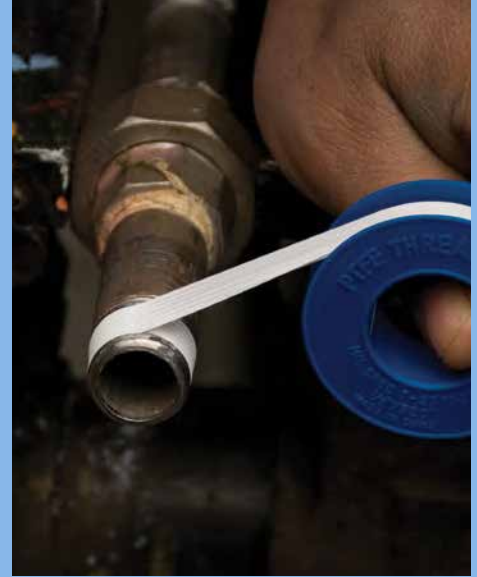
### OXY-TITE®

#### Pipe thread sealant for oxygen systems

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



Part No.	Size	Case Quantity 6
42805	4 oz.	



## LA-CO LOC® Anaerobic pipe thread sealant

- Pressures: 3,000 PSI (204 BAR) for gas; 10,000 PSI (680 BAR) for liquid
- Sealing temperature: -65°F to 400°F (-54°C to 204°C)
- 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

## Slic-tite® PTFE Thread Tape Premium grade, high density

- Pressure: to 10,000 PSI (690 BAR)
- Sealing temperature: -450°F to 550°F (-268°C to 288°C)
- 3 mils thick and made with PTFE for greater sealing power
- Non-toxic
- Yellow for gas line usage
- Pink for water line usage

## Pipe Thread Tape of PTFE Economy grade

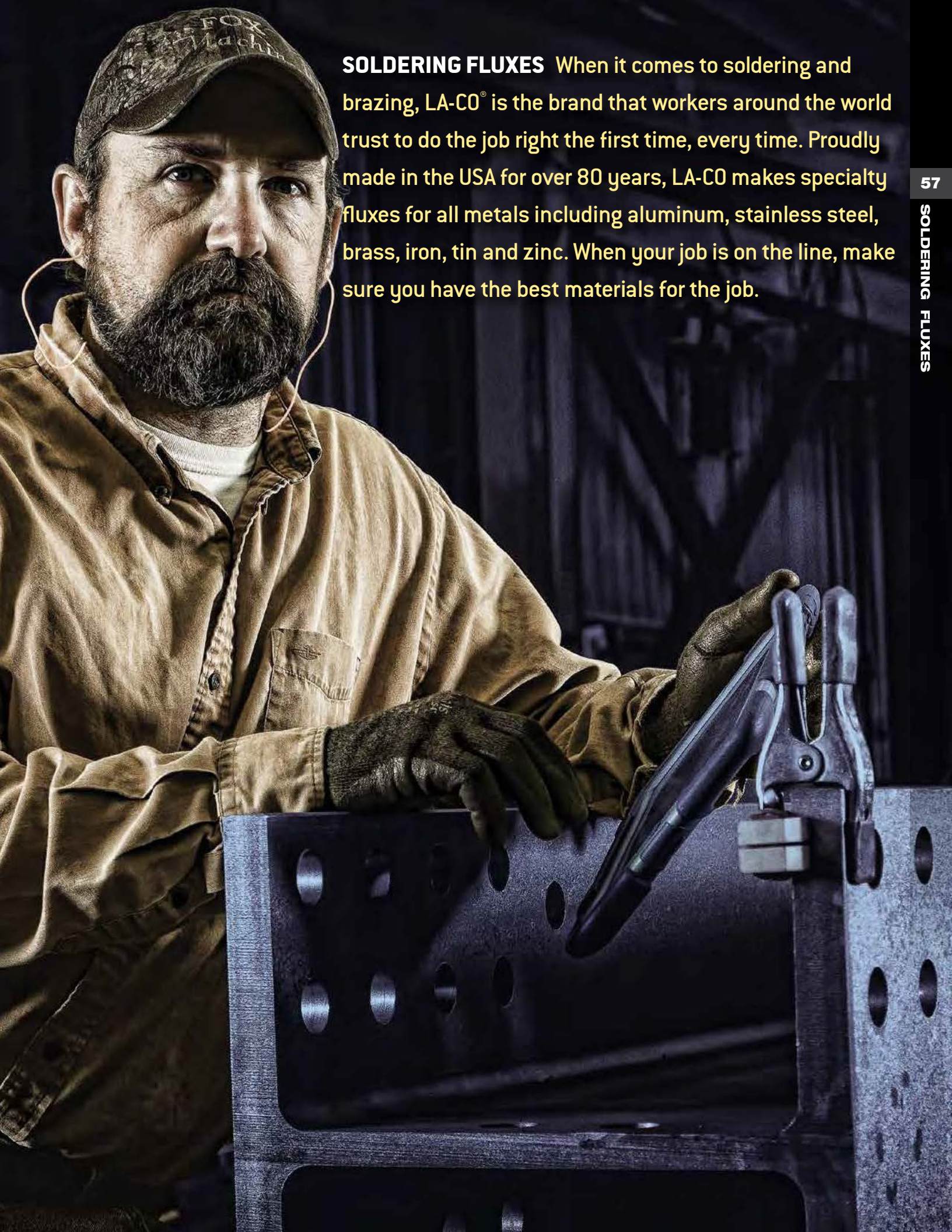
- Pressure: to 10,000 PSI (690 BAR)
- Sealing temperature: -450°F to 550°F (-268°C to 288°C)
- 3 mils thick and made with PTFE for effective sealing power
- Non-toxic



Part No.	Size	Case Quantity
49050	50 ml. Tube	12
49250	250 ml. Tube	6

Case Quantity 12		
Part No.	Size	Color
44082	1/2" x 300"	White
44083	1/2" x 600"	White
44084	1/2" x 1200"	White
44085	3/4" x 300"	White
44086	3/4" x 600"	White
44094	1/2" x 260"	Yellow
44095	1/2" x 260"	Pink

Case Quantity 144		
Part No.	Size	
44071	1/2" x 260"	
44072	1/2" x 520"	
44075	3/4" x 520"	
44078	1" x 520"	



**SOLDERING FLUXES** When it comes to soldering and brazing, LA-CO® is the brand that workers around the world trust to do the job right the first time, every time. Proudly made in the USA for over 80 years, LA-CO makes specialty fluxes for all metals including aluminum, stainless steel, brass, iron, tin and zinc. When your job is on the line, make sure you have the best materials for the job.



### Regular Flux Paste Soldering flux

- 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



Part No.	Size	Case Quantity
22101	2 oz.	48
22104	4 oz.	48
22194	4 oz. Brush-in-cap	48
22107	1 lb.	24

### Aluminum Flux Paste Solders aluminum at low temperatures

- 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



Case Quantity 24	
Part No.	Size
22407	1 lb.

### "M-A" Flux Liquid Stainless steel flux liquid

- Fast-fluxing action for stainless steel and chrome
- Contains no heavy metal chlorides, preventing potential flux damage
- DO NOT USE ON POTABLE WATER TUBING



Case Quantity 12	
Part No.	Size
23913	1 qt.

**HEAT BARRIER PRODUCTS** Whether soldering, brazing, or welding, heat can cause significant damage to sensitive materials, components, or surrounding areas. These excessive temperatures cannot only damage items in a work area, but can also create both health and safety hazards. Heat barrier products are specially designed to withstand these brutal temperatures when other materials can't to keep your jobsite productive, safe, and free of damage.





## Cool Gel®

### Heat barrier spray

- 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

Part No.	Size
11513	1 pt.
11509	1 qt.

Case Quantity
24
12



## BLOC-IT®

### Heat-absorbing paste

- 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

Case Quantity 24	Part No.	Size
11511	10 oz.	



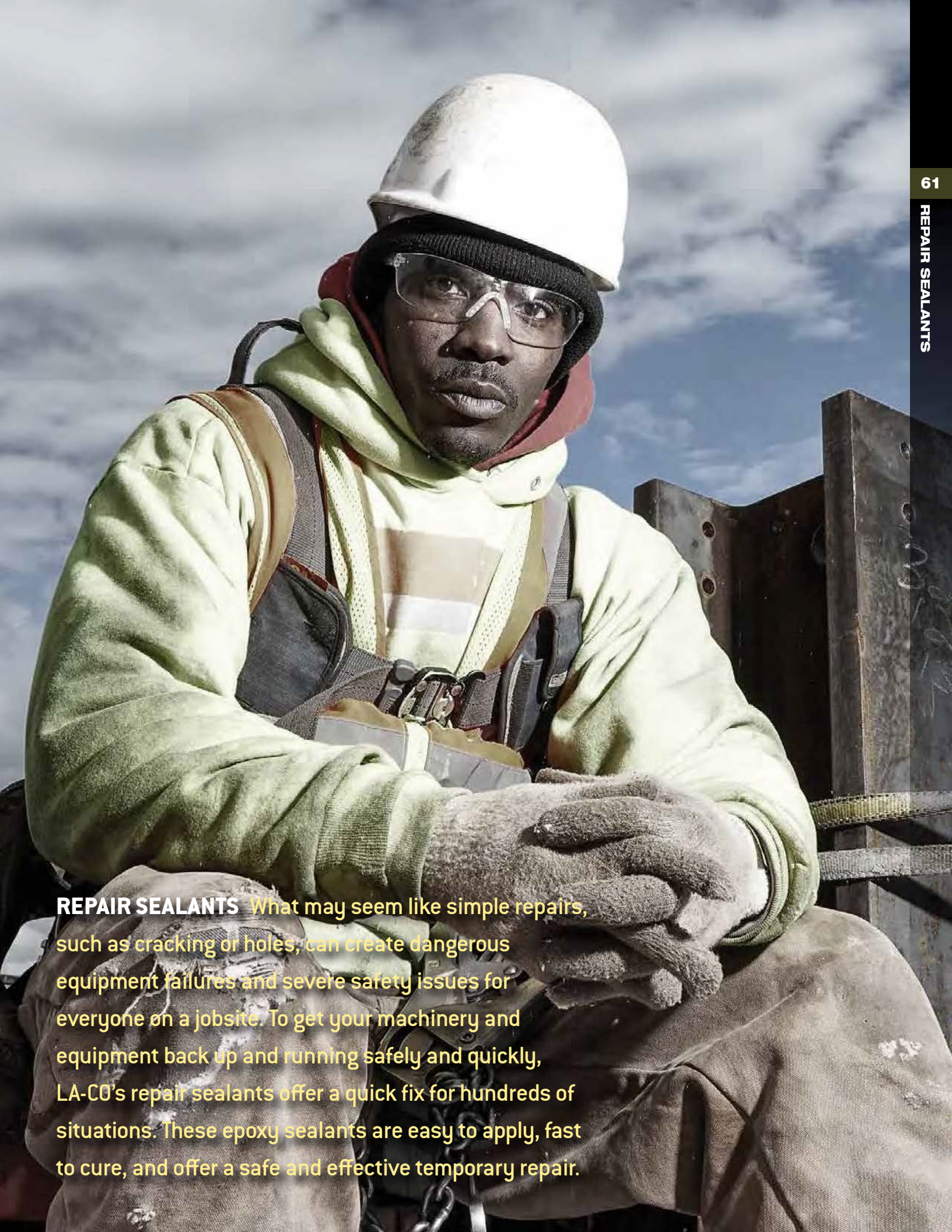
## Anti-Heat®

### Heat-absorbing compound

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

#### Case Quantity 1

Part No.	Size
24003	12 oz. Tube



**REPAIR SEALANTS** What may seem like simple repairs, such as cracking or holes, can create dangerous equipment failures and severe safety issues for everyone on a jobsite. To get your machinery and equipment back up and running safely and quickly, LA-CO's repair sealants offer a quick fix for hundreds of situations. These epoxy sealants are easy to apply, fast to cure, and offer a safe and effective temporary repair.



## HEAT-SEAL STIK®

Premixed epoxy sealer

- Sealing temperature: up to 350°F (177°C)
- Pressure: to 600 PSI (41 BAR)
- 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



Case Quantity 12

Part No.	Description
11575*	HEAT-SEAL STIK
11577	Carded



## EPOXY-STIK®

Epoxy repair compound for water piping systems

- Withstands temperatures up to 250°F (121°C)
- Hardens in 5-10 minutes and cures fully in 24 hours, enabling the system to be up and running again in no time
- Can be applied under water for submerged pipe leaks
- After one hour can be drilled, tapped, filed, sawed, sanded, and painted - allowing the job to be easily finished in little time



Case Quantity 24

Part No.	Description
19571	Epoxy-Stik



## Oyltite-Stik®

Epoxy repair compound for low pressure equipment

- Pressure to 15 PSI (1 BAR)
- 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



Case Quantity 24

Part No.	Description
11475	Oyltite-Stik



## Plasto-Joint Stik® Plastic thread sealant in a stick

- designed for superior sealing of plastic pipe threads
- Pressures: 300 PSI (20 BAR) for gas; 500 PSI (34 BAR) for liquid
- Sealing temperature: up to 250°F (121°C)
- DO NOT USE ON OXYGEN SERVICE; USE OXYTITE PASTE OR SLIC-TITE PTFE TAPE



Case Quantity 24

Part No.	Description
11775	Plasto-Joint Stik



**LUBRICANTS** Keeping your machinery running smoothly can add years of life to your equipment and can help avoid dangerous failures and costly repairs. LA-CO® industrial strength anti-seize compounds, pipe gasket lubricant, thread cutting oil, and general purpose lubricants help to ensure that you get the most out of your equipment.



## LUBRI-JOINT®

### Water dispersible gasket lubricant

- 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



Case Quantity 12

Part No.	Size
78713	1 qt.

## Cutting Oil

### For hand tools and high-speed thread cutting machines

- Two cutting oils in one, eliminating the need for multiple cutting oils for low-speed and high-speed thread cutting
- Combines the best properties of dark and light cutting oils with sulfur and other additives to provide superior heat protection for costly cutting dies
- For use on many types of metals: steel, brass, copper, black iron, wrought iron, and galvanized iron



Case Quantity 6

Part No.	Size
73414	1 gal.

## Precision Spout® Oiler

### General purpose lubricating oil

- Special telescoping spout lubricates hard-to-reach areas up to 14" away
- Premium grade oil is excellent for all general purpose lubricating

Case Quantity 24

Part No.	Size
79704	4 fl. oz.



## EZ BREAK® Copper and Nickel Grade Anti-seize compound

- Copper working temperature: to 1800° F (982° C)
- EZ BREAK Copper is approved to use in food processing plants
- Nickel working temperature: to 2600° F (1427° C)
- Lubricates and protects nuts and bolts, making disassembly easy, even after years of service
- Resists galling, rust and corrosion so your metal parts won't "freeze up"



Part No.	Size	Case Quantity
<b>Copper</b>		
08910	10 oz. Brush-in-cap	24
08907	16 oz. Brush-in-cap	24
08950	42 lbs.	Pail
08969	425 lbs.	Drum
08916	14 oz. Aerosol	12
<b>Nickel</b>		
08971	8 oz. Brush-in-cap†	24
08972	16 oz. Brush-in-cap†	24

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## sure-chek® All-temperature leak detector

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



Case Quantity 24	
Part No.	Size
32850	1 pt.†

† **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## VISU-GLOW® High-visibility leak detector

- Temperature range: 15°F to 200°F (-9°C to 93°C)
- 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



Case Quantity 24	
Part No.	Size
32898	8 fl. oz.† with dauber





**SPECIALTY COATINGS** No two jobsites are the same and certain ones require a specialty product to help get the job done right. Tempil's brand of specialty chemicals not only withstand use in some of the world's toughest environments, they can offer added efficiency, protection, and value that other primers and paints can't. These coatings are proudly made in the USA, but have been tested, used, and approved for use all over the world.



### Bloxide® Weldable Primer

- Enhanced corrosion resistance for extended periods of storage
- Aluminium-based formula allows for welding without removal, reducing downtime and rework contamination
- High temperature resistant to 800°F (427°C)
- Recommended film thickness: wet 3.0 mil, dry 0.75 mil
- Can be sprayed, brushed or parts can be dipped into it



Part No.	Size	Case Quantity
24100	1 gal.†	4
24101	55 gal.†	Drum
24102	5 gal.†	Pail
24104	12 oz. Aerosol†	12



### Pyromark® High Temperature Paint

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



Part No.	Size	Color	Case Quantity
<b>Series 1200</b>			
25002	1 gal.†	Flat Black	1
25001	5 gal.†	Flat Black	Pail
25021	5 gal.†	Flat Black	Pail
<b>Series 2500</b>			
25010	1 gal.†	Flat Black	1

†Warning: Cancer - www.P65Warnings.ca.gov.

†Warning: Cancer - www.P65Warnings.ca.gov.





**LA-CO Industries Inc.**

1201 Pratt Boulevard  
Elk Grove Village, IL 60007-5746 USA  
(1) 800.621.4025  
(1) 847.956.7600

[Customer\\_Service@laco.com](mailto:Customer_Service@laco.com)

**LA-CO Industries Europe S.A.S.**

ALLEE DES COMBES  
PI DE LA PLAINE DE L'AIN  
01150 BLYES  
France

Tel: +33 (0) 4 74 46 23 23  
[info@eu.laco.com](mailto:info@eu.laco.com)

[Markal.com](http://Markal.com)

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