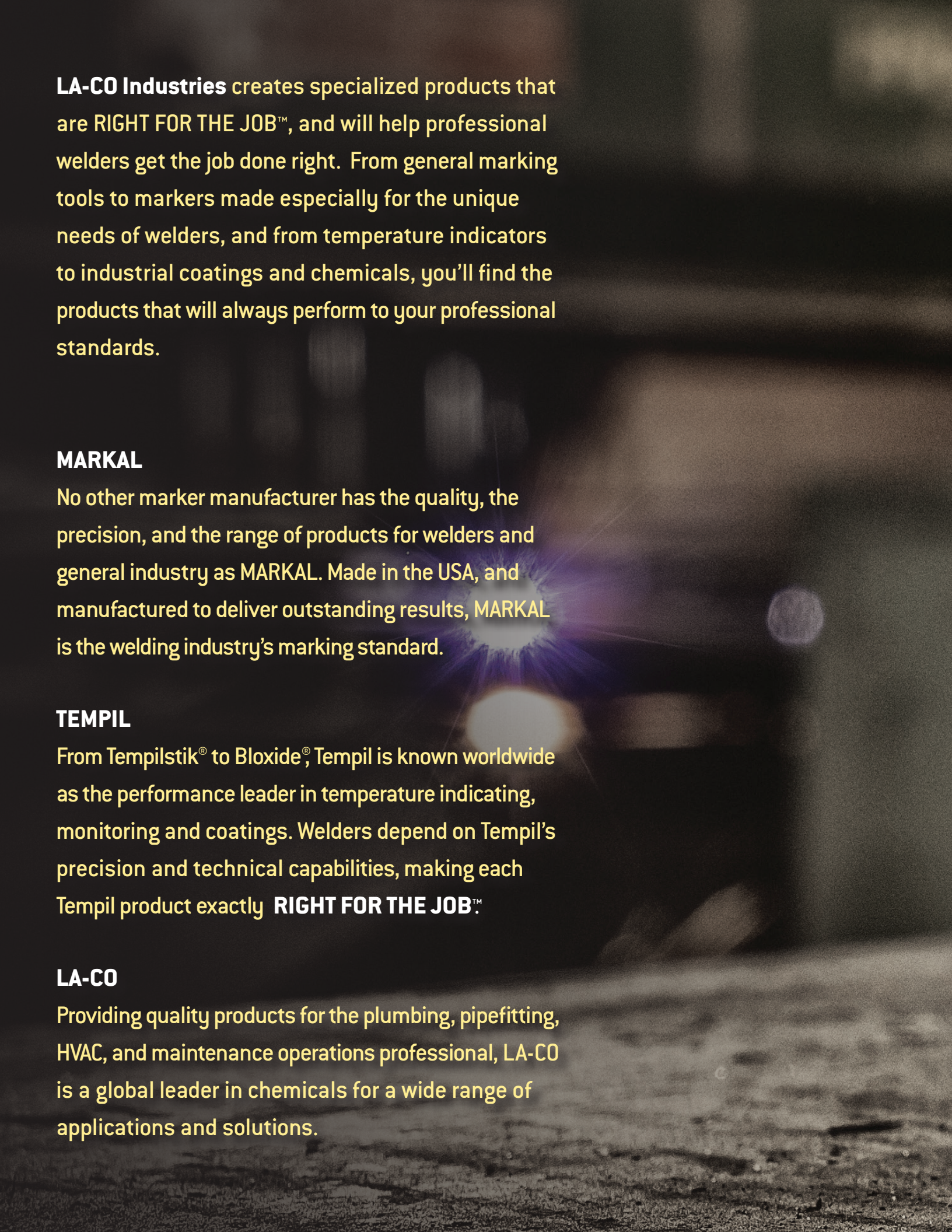




RIGHT
FOR THE
JOB.™

Markal® *Tempil*®
LA·CO®

MARKERS, TEMPERATURE
INDICATORS, INDUSTRIAL
COATINGS AND CHEMICALS
FOR WELDERS



LA-CO Industries creates specialized products that are **RIGHT FOR THE JOB™**, and will help professional welders get the job done right. From general marking tools to markers made especially for the unique needs of welders, 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 welders and general industry as MARKAL. Made in the USA, and manufactured to deliver outstanding results, MARKAL is the welding industry's marking standard.

TEMPIL

From Tempilstik® to Bloxide®, Tempil is known worldwide as the performance leader in temperature indicating, monitoring and coatings. Welders 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.





Valve Action® Paint Marker

Liquid paint marker for general marking

Fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marking that's safe for almost any surface. Known as the most versatile liquid paint marker in the world, our xylene-free paint reduces health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

FEATURES & BENEFITS:

- Fast-drying, permanent paint for immediate handling reduces work downtime
- Dura-Nib medium bullet tip resists wear to provide long marking life
- Marking range: -50°F to 150°F (-46°C to 66°C)

96809		Brown*
96817		Purple*
96820		White*
96821		Yellow*
96822		Red*
96823		Black*
96824		Orange*
96825		Blue*
96826		Green*
96827		Gold*
96828		Light Green*
96830		Pink*
96832		Aluminum*
96835		Light Blue*
97050		Fluorescent Yellow
97051		Fluorescent Green
97052		Fluorescent Orange
97053		Fluorescent Pink



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

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

Developed for superior marking performance on oily and greasy surfaces. The high performance paint penetrates through oils and greases to dry quickly and leave a bold, permanent mark that is wear-, weather-, and fade-resistant.



FEATURES/BENEFITS:

- Xylene-free paint reduces user health risks and eliminates California Proposition 65, EPA HAPS and SARA 313 concerns in the U.S.A.
- Easy-to-grip clip-cap allows for convenient pocket storage
- Marking range: -50°F to 150°F (-46°C to 66°C)

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

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

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.



FEATURES/BENEFITS:

- 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.
- Marking range: -50°F to 150°F (-46°C to 66°C)

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*

B® Paintstik® Multi-purpose permanent solid paint crayon

As Markal's most versatile and economic marker, the original B Paintstik solid paint marker combines the durability of paint in the convenience of a crayon.

The real paint formula has superior marking performance on oily, icy, wet, dry or cold surfaces and is weather- and UV-resistant. This Paintstik works on rough, rusty, smooth, or dirty surfaces.



FEATURES/BENEFITS:

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

80220	White*	80227	Pink
80221	Yellow	80228	Purple
80222	Red	80229	Brown
80223	Black	80230	Gray
80224	Orange	80231	Gold
80225	Blue	80232	Aluminum
80226	Green	80233	Fluorescent Yellow

Quik Stik® Fast-drying solid paint in twist-up holder

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

FEATURES & BENEFITS:

- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- Marks on virtually any surface: wet, smooth, rough, or hot
- Weather- and UV-resistant paint for long-lasting mark
- Marking range: 0°F to 392°F [-18°C to 200°C]

61049	Red
61050	Black
61051	White
61053	Yellow
61069	Green
61070	Blue
61071	Orange
61073	Purple

Quik Stik® Mini Fast-drying solid paint in twist-up holder

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

FEATURES & BENEFITS:

- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- Marks on virtually any surface: wet, smooth, rough, or hot
- Weather- and UV-resistant paint for long-lasting mark
- Marking range: 0°F to 392°F [-18°C to 200°C]

61126	White
61127	Yellow
61128	Red
61129	Black

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.



FEATURES/BENEFITS:

- 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

96101 Silver
96100 Red



Silver Streak® Metal Marker 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 plate and will not rub, burn or blow off like soapstone. Marks on all metal, including oily or wet surfaces.

FEATURES/BENEFITS:

- Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces
- Available in flat and round shapes
- Durable, mechanical holder prevents stick breakage and features a convenient, built-in sharpener and pocket clip for easy storage.

96004 Flat	96018 Flat Refill, 25 Pack
96006 Round	96002 Flat Refill, 100 Pack
96107 Round & 6 Refills	96007 Round Refill, 6 Pack

Red Riter® Metal Marker Layout and fabrication marker for aluminum, bright metals

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



FEATURES/BENEFITS:

- Highly visible marks illuminate when cutting or welding
- Marks on oily, wet or rusty metals, and will not scratch or abrade surfaces
- Rugged metal holder prevents stick breakage and includes handy pocket clip for easy storage when not in use

96005 Flat
96019 Flat Refill Pack

Soapstone Temporary marking for welding and metal fabrication

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



FEATURES/BENEFITS:

- Temporary marks can be easily removed
- Marks will not contaminate weld or damage metal surface
- Holders for flat and round shapes reduce breakage

80129 Flat
80130 Round
80131 Square
80140 Flat Holder and Refills

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Tempilstik® The industry standard, original temperature-indicating stick

Available in over 100 temperature ratings from 100°F to 2000°F (38°C to 1093°C), each Tempilstik has a unique slip-resistant metal holder, specifically engineered for maximum user control. Precise for the most critical jobs, Tempilstik meets the preheat temperature requirements of AWS D1.1 and other welding code specifications. Our Tempilstik product line has been providing accuracy, confidence and compliance for over 70 years.

FEATURES & BENEFITS:

- Results are +/- 1% of rated temperature.
- Melts at designated temperature for easy visual inspection.
- Unique slip-resistant metal holder secures stick and maximizes control.
- Fast results reduce set up and down time.
- Traceable: each marked by temperature, lot number and is NIST traceable
- Compliant: meets AWS D1.1, ASME Code Sec. I, III and VIII, ANSI/ASME Code B31.1 and B31.3.



Part No.	°C	°F			
28000	38	100	28035	204	400
28300	40	104	28328	210	410
28002	43	109	28036	212	413
28004	48	119	28329	215	419
28301	50	122	28037	218	425
28005	52	125	28330	220	428
28302	55	131	28331	225	437
28303	60	140	28332	230	446
28006	66	150	28039	232	450
28304	70	158	28333	235	455
28007	73	163	28040	239	463
28305	75	167	28041	246	475
28008	76	169	28336	250	482
28009	79	175	28042	253	488
28306	80	176	28043	260	500
28010	83	182	28338	270	518
28307	85	185	28044	274	525
28011	87	188	28339	280	536
28308	90	194	28045	288	550
28012	93	200	28340	290	554
28309	95	203	28341	300	572
28013	97	206	28046	302	575
28310	100	212	28047	316	600
28014	101	213	28342	320	608
28015	104	219	28048	343	650
28016	107	225	28343	350	662
28312	110	230	28049	371	700
28313	115	239	28050	399	750
28314	120	248	28345	400	752
28019	121	250	28051	427	800
28020	124	256	28052	454	850
28315	125	257	28347	460	860
28021	128	263	28053	482	900
28316	130	266	28349	500	932
28022	132	269	28055	510	950
28023	135	275	28056	538	1000
28317	140	284	28057	550	1022
28024	142	288	28350	560	1040
28025	146	294	28058	566	1050
28026	149	300	28059	593	1100
28318	150	302	28351	600	1112
28027	152	306	28060	621	1150
28319	155	311	28352	625	1157
28028	156	313	28061	649	1200
28320	160	320	28062	677	1250
28029	163	325	28355	700	1292
28321	165	329	28063	704	1300
28322	170	338	28064	760	1400
28030	173	344	28065	788	1450
28323	175	347	28066	816	1500
28031	177	350	28067	843	1550
28324	180	356	28068	871	1600
28032	184	363	28069	899	1650
28325	190	374	28070	927	1700
28033	191	375	28072	982	1800
28326	195	383	28073	1038	1900
28034	198	388	28074	1066	1950
28327	200	392	28075	1093	2000

Certified Thermomelt® 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.

FEATURES & BENEFITS:

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



SURFACE USES:

- Stainless Steel
- Alloy and superalloy metals

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

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Estik™ Electronic Surface Thermometer

Developed by Tempil engineers for a wide range of critical temperature monitoring applications, our patent-pending Estik incorporates the latest in micro-thermocouple technology with a bold digital readout to instantly display the surface temperature with an accuracy of +/- 2%. Measuring surface temperature from 32°F to 999°F (0°C to 537°C), Tempil Estik can be used on polished or non-polished surfaces. Unlike other types of electronic technology, it is not necessary to know what the emissivity of the surface material is in order to obtain an accurate reading.

FEATURES & BENEFITS:

- Ergonomic hand grip
- Three-digit backlit display
- °C or °F selectable readout
- No wires or cables
- Automatic shut-off



- 24290 Estik
- 24251 Estik – NIST Certified
- 24252 Estik Thermocouple Band Replacement

Bloxide® Weldable Primer

Bloxide is a versatile, rust-preventive, weldable primer with a unique formula that can be applied to a wide range of metals, preventing the formation of rust and corrosion during extended periods of storage. Bloxide eliminates the need to clean metal surfaces before welding due to its enhanced corrosion preventative features, thus saving time and labor costs during fabrication. Bloxide also improves the weld quality after application, resulting in X-Ray quality welds.



FEATURES & BENEFITS:

- Ideal for extended periods of outside steel storage
- Ability to strike welding arc without removal
- Temperature resistant to 800°F (427°C)
- Can be sprayed, brushed or parts can be dipped into it

- 24100 1 Gallon
- 24101 55 Gallon Drum
- 24102 5 Gallon Pail
- 24104 12 oz Aerosol Can

Anti-Heat® Heat Absorbing Compound

This exceptional, heat-absorbing compound is specially formulated to eliminate the heat damage and discoloration that often occurs on light gauge metals during fabrication. Once applied, Anti-Heat prevents the heat generated by welding, soldering or preheating from traveling beyond where the Anti-Heat is applied – thus preventing heat-related damages such as buckling, cracking, warping or other metal distortions.

FEATURES & BENEFITS:

- Non-toxic
- Harmless to the skin
- Asbestos-free and odorless

- 24000 5 Gallon Pail
- 24001 1 Gallon
- 24002 1 Quart
- 24003 2 oz Tube



Cool Gel® Heat Barrier Spray

Used to protect sensitive equipment and components from excess heat during pre-heating, interpass, welding, and post-heating applications. Cool Gel's unique, no-drip gelled formula evaporates within 48 hours, eliminating cleanup. Easier than using a heat blanket, Cool Gel provides assurance the job can be completed without costly heat damage.

FEATURES & BENEFITS:

- Reduces the risk of costly heat damage to sensitive equipment and components
- Protects painted and finished surfaces from discoloration due to torch heat
- Safe, non-toxic, harmless to skin, and odorless

- 11513 1 Pint
- 11509 1 Quart
- 11503 5 Gallon





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