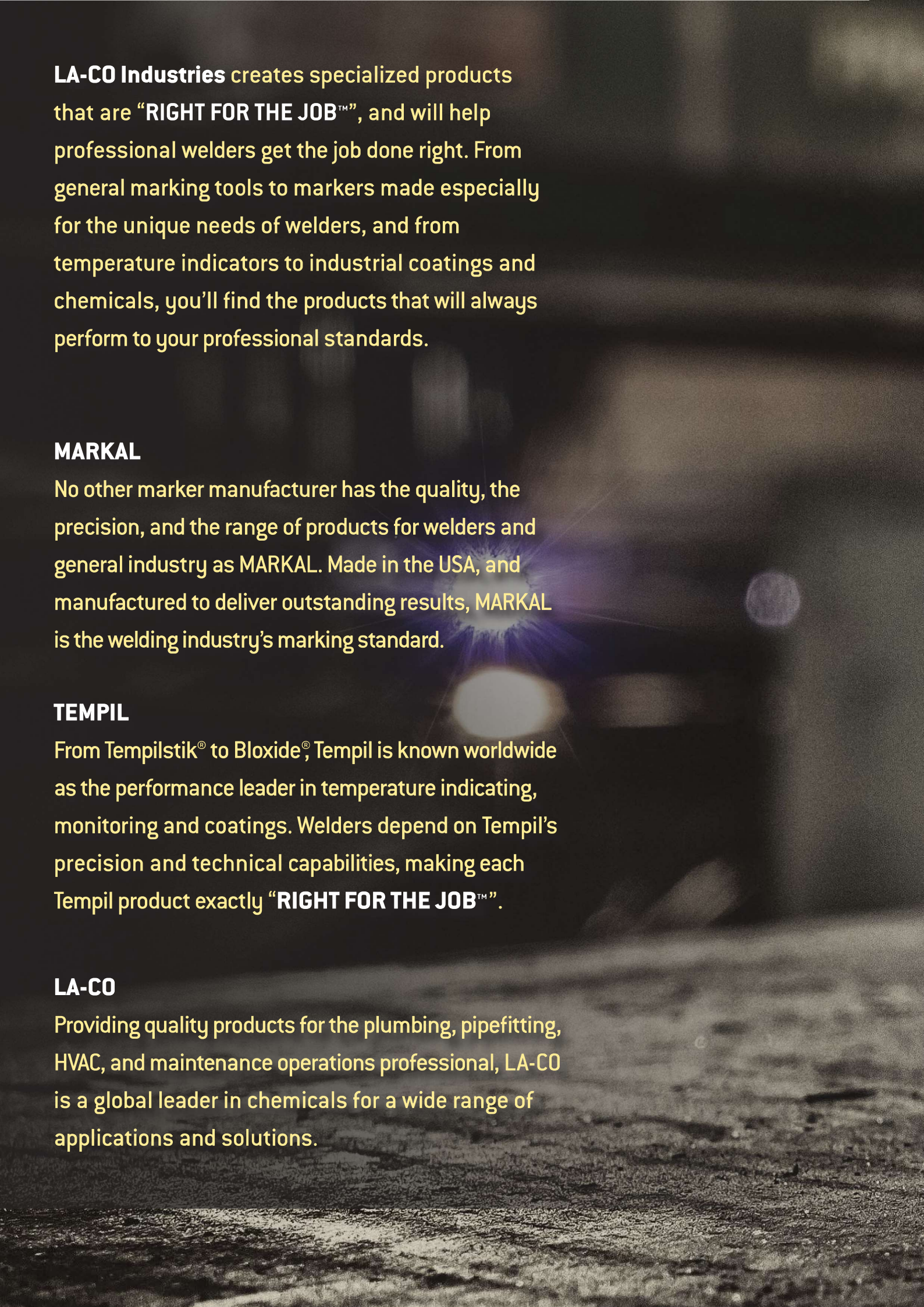




RIGHT
FOR THE
JOB.™

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 marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks and is available in 18 bold and fluorescent colors for accurate mark identification.

FEATURES/BENEFITS:

- 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

Markal.com
Tempil.com
LACO.com



PRO-LINE® HP

Liquid paint marker for oily surfaces 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
- Easy-to-grip clip-cap allows for convenient pocket storage
- Marking range: -50°F to 150°F (-46°C to 66°C)

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

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 and is free of Xylene and other harmful chemicals to reduce user health risks.



FEATURES/BENEFITS:

- Available in 14 bold, fast-drying colors for immediate handling and reduced downtime
- Xylene-free paint reduces user health risks
- Marking range: -50°F to 150°F (-46°C to 66°C)

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

Stylmark® Ball tube marker for multiple surfaces

Markal® Stylmark® is a metal-ball tip marker for marking most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risks.



FEATURES/BENEFITS:

- Durable steel ball tip marks with indelible paint on smooth or rough surfaces
- Steel ball tip is resistant to very rough surfaces for long marking life
- Offered in 2 sizes: 3 mm and 6 mm for varied mark thickness
- 11 bold, bright paint colors are weather-, water-, and UV-resistant
- Unique paint designed to not drip on vertical or overhead surfaces
- Marking range -20°C to 70°C (-4°F to 158°F)
- Mark temperature resistance: 200°C (392°F)

3 mm

10130103	White
10130203	Yellow
10130303	Red
10130403	Blue
10130503	Green
10130603	Black
10130703	Orange
10130803	Purple
10130903	Grey
10131003	Pink
10131103	Brown

6 mm

10160103	White
10160203	Yellow
10160303	Red
10160403	Blue
10160503	Green
10160603	Black
10160703	Orange
10160803	Purple
10160903	Grey
10161003	Pink
10161103	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
- Weather- and UV-resistant for long-lasting marks

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

Quik Stik® and Quik Stik® Mini

Fast-drying solid paint in twist-up holder

Quik Stik® and Quik Stik® Mini are smooth-marking solid paint crayons that dry quickly to leave bold, permanent marks on most surfaces. The durable plastic twist-up holder prevents breakage and keeps hands, clothing, and toolboxes clean.

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)

Quik Stik

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

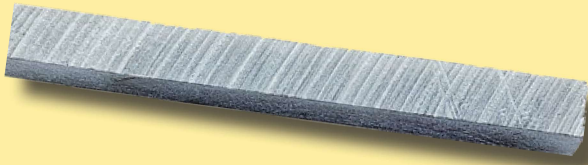
Quik Stik Mini

61126	White
61127	Yellow
61128	Red
61129	Black



FM.400 Rectangular, high-heat resistant soapstone

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



FEATURES/BENEFITS:

- Temporary marks can be easily removed
- Marks will not contaminate weld or damage metal surface
- Holders for flat shapes reduce breakage
- For more visible and durable marks, see our Silver-Streak® and Red-Riter® metal markers
- Marker dimensions: 100 x 10 x 10 mm

44030100 Square

Silver Streak® & Red Riter® 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:

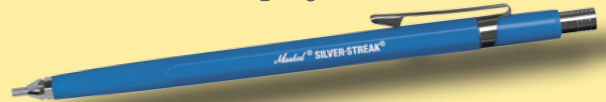
- Durable marks will not scratch or abrade metal surfaces
- Available in two highly visible colors: red for aluminum or other bright metals, silver for darker surfaces
- High-strength, hex-shaped pencil reduces barrel roll unlike competitive brands

96100 ■ Red

96101 ■ Silver

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 surfaces including oily or wet.



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

96006 Round

96007 Round Refill, 6 Pack

Tempilstik®

Fast, accurate surface temperature indicator

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

FEATURES/BENEFITS:

- 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
- Accurate to within +/- 1% of Fahrenheit and +/- 3% Celsius rated
- Comply with preheat temperature requirements of AWS D1.1, ASME Code Sec. I, III and VIII, ANSI/ASME Code B31.1 and B31.3.
- Imprinted part number, temperature and lot code across entire stick for improved traceability



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. Please note that the color of the Thermomelts are not a part of their function, since the temperature signal consists of melting. Indicator color is subject to change without notice.



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

Estik™ Direct-touch electronic surface thermometer

Incorporated with the latest micro-thermocouple technology and an advanced accuracy of +/- 2%, this patented Estik™ measures the surface temperature from 32°F (0°C) to 999°F (537°C). Specially engineered for fast and convenient monitoring, Estik™ improves accuracy by eliminating errors due to reflection and other surface conditions.

FEATURES/BENEFITS:

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



24290	Estik™
24251	Estik™ — NIST Certified
24252	Estik™ Thermocouple Band Replacement

Bloxide® An aluminum-based 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:

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

24100	3,78 l (1 Gallon)
24104	Aerosol Can 350 ml (12 oz)

Anti-Heat® Heat Absorbing Compound

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

FEATURES/BENEFITS:

- Non-toxic & non-hazardous
- Adheres to horizontal, vertical and overhead surface
- Asbestos-free and odorless

24001	3,78 l (1 Gallon)
24003	350 ml Tube (12 oz)



Cool Gel® Heat Barrier Spray

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

FEATURES/BENEFITS:

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

11513	470 ml (1 Pint)
11509	940 ml (1 Quart)





Markal.com
Tempil.com
LACO.com





RIGHT
FOR
THE
JOB.™

Markal®
Tempil®

LA·CO®

Lascentrum
welding & cutting

CONTACT INFO

Nieuwland Parc 1
2952 DA Alblaserdam
The Netherlands

Phone: +31 (0)78 642 96 56
Fax: +31 (0)78 642 96 86

POSTAL ADDRESS

Postbus 6
2980 AA Ridderkerk
The Netherlands

**Lascentrum: your
favorite welding
supplier**

Internet: www.lascentrum.com
E-mail: info@lascentrum.com