

ISO 9001: 2000
 Certified

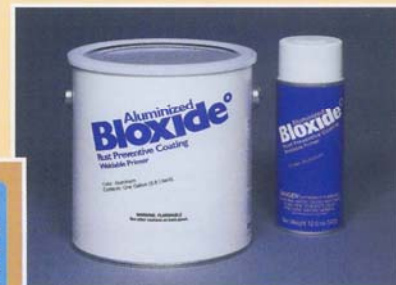
Tempil

An Illinois Tool Works Company

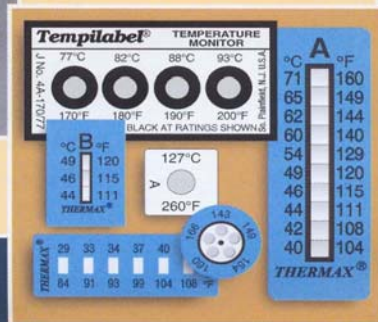
TEMPERATURE INDICATORS & INDUSTRIAL COATINGS



Temperature Indicating Liquids



Rust Preventive
 Weldable Coating



Temperature Indicating
 Labels



High Temperature Paint

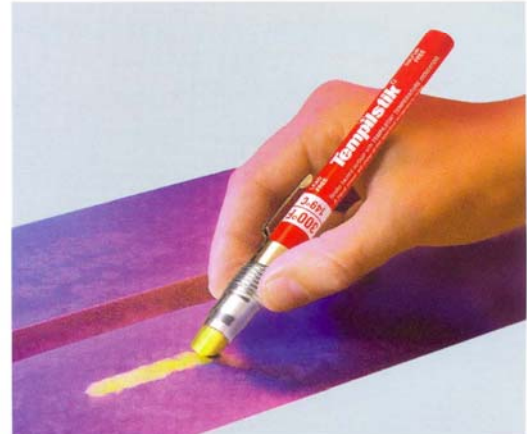


Heat Absorbing Compound

Temperature Indicators

Tempilstik^o Temperature Indicators

World's most trusted, accurate temperature indicator for over 60 years is still the greatest value!



• SURFACE TEMPERATURE DETECTION

- Inexpensive alternative for temperature measurement
- Simple – no gauges or electronics
- Easy to use – by virtually anyone/anywhere
- NO CALIBRATION required – always in calibration
- Reliably accurate – melts within $\pm 1\%$ of rated temperature
- Certification available upon request

• LASTS LONGER THAN OTHER BRANDS

because of greater density.

- **HOLDER** provides strong grip on the chalk avoiding slippage. Maximizes user efficiency in completing the application. Holder engineered for smooth operation. Provides comfort and confidence.
- **PRODUCTION LOT NUMBERED** for traceability.
- **LEAD AND SULFUR - FREE**

APPLICATIONS – Hundreds of applications exist for the Tempilstik^o

Determining surface temperatures during

- welding and metal fabrication
- preheat • interpass
- postweld heat treatment
- annealing • stress relieving

Determining operating temperatures

- bearings • transformers • steam traps • molds
- PC board preheaters • motors
- electronic components • hydraulic systems
- commercial irons • hot plates • heat exchangers

HOW TO USE

Stroke the work piece during heating. When the rated temperature has been reached a distinct melt (smear) will become evident. Tempilstik will make a mark by melting at the point of contact once the surface reaches the specific temperature of the Tempilstik.

Standard Packaging: 10 per box (bar-coded per NWSA guidelines). Blister package available for point-of-purchase display.

Note: The color of Tempilstik is for identification only and has no relation to its performance as a temperature indicator.

Temperature Indicators



FAHRENHEIT

| Fahrenheit Ratings for Tempilstik° | | | | | | | | | | | |
|------------------------------------|-----|----|----------|-----|-----|----------|-----|-----|----------|------|-----|
| Part No. | °F | °C | Part No. | °F | °C | Part No. | °F | °C | Part No. | °F | °C |
| TS0100 | 100 | 38 | TS0213 | 213 | 101 | TS0331 | 331 | 166 | TS0600 | 600 | 316 |
| TS0106 | 106 | 41 | TS0219 | 219 | 104 | TS0338 | 338 | 170 | TS0650 | 650 | 343 |
| TS0109 | 109 | 43 | TS0225 | 225 | 107 | TS0344 | 344 | 173 | TS0700 | 700 | 371 |
| TS0113 | 113 | 45 | TS0231 | 231 | 111 | TS0350 | 350 | 177 | TS0750 | 750 | 399 |
| TS0119 | 119 | 48 | TS0238 | 238 | 114 | TS0363 | 363 | 184 | TS0800 | 800 | 427 |
| TS0125 | 125 | 52 | TS0244 | 244 | 118 | TS0375 | 375 | 191 | TS0850 | 850 | 454 |
| TS0131 | 131 | 55 | TS0250 | 250 | 121 | TS0388 | 388 | 198 | TS0900 | 900 | 482 |
| TS0138 | 138 | 59 | TS0256 | 256 | 124 | TS0400 | 400 | 204 | TS0932 | 932 | 500 |
| TS0144 | 144 | 62 | TS0263 | 263 | 128 | TS0413 | 413 | 212 | TS0950 | 950 | 510 |
| TS0150 | 150 | 66 | TS0269 | 269 | 132 | TS0425 | 425 | 218 | TS1000 | 1000 | 538 |
| TS0156 | 156 | 69 | TS0275 | 275 | 135 | TS0438 | 438 | 226 | TS1022 | 1022 | 550 |
| TS0163 | 163 | 73 | TS0282 | 282 | 139 | TS0450 | 450 | 232 | TS1050 | 1050 | 566 |
| TS0169 | 169 | 76 | TS0288 | 288 | 142 | TS0463 | 463 | 239 | TS1100 | 1100 | 593 |
| TS0175 | 175 | 79 | TS0294 | 294 | 146 | TS0475 | 475 | 246 | TS1150 | 1150 | 621 |
| TS0182 | 182 | 83 | TS0300 | 300 | 149 | TS0488 | 488 | 253 | TS1200 | 1200 | 649 |
| TS0188 | 188 | 87 | TS0306 | 306 | 152 | TS0500 | 500 | 260 | TS1250 | 1250 | 677 |
| TS0194 | 194 | 90 | TS0313 | 313 | 156 | TS0525 | 525 | 274 | TS1300 | 1300 | 704 |
| TS0200 | 200 | 93 | TS0319 | 319 | 159 | TS0550 | 550 | 288 | TS1400 | 1400 | 760 |
| TS0206 | 206 | 97 | TS0325 | 325 | 163 | TS0575 | 575 | 302 | TS1450 | 1450 | 788 |



CENTIGRADE

| Centigrade Ratings for Tempilstik° | | | | | | | | | | | |
|------------------------------------|-----|-----|----------|-----|-----|----------|-----|-----|----------|-----|-----|
| Part No. | °C | °F | Part No. | °C | °F | Part No. | °C | °F | Part No. | °C | °F |
| TSC0040 | 40 | 104 | TSC0110 | 110 | 230 | TSC0180 | 180 | 356 | TSC0250 | 250 | 482 |
| TSC0045 | 45 | 113 | TSC0115 | 115 | 239 | TSC0185 | 185 | 365 | TSC0260 | 260 | 500 |
| TSC0050 | 50 | 122 | TSC0120 | 120 | 248 | TSC0190 | 190 | 374 | TSC0270 | 270 | 518 |
| TSC0055 | 55 | 131 | TSC0125 | 125 | 257 | TSC0195 | 195 | 383 | TSC0280 | 280 | 536 |
| TSC0060 | 60 | 140 | TSC0130 | 130 | 266 | TSC0200 | 200 | 392 | TSC0290 | 290 | 554 |
| TSC0065 | 65 | 149 | TSC0135 | 135 | 275 | TSC0205 | 205 | 401 | TSC0300 | 300 | 572 |
| TSC0070 | 70 | 158 | TSC0140 | 140 | 284 | TSC0210 | 210 | 410 | TSC0320 | 320 | 608 |
| TSC0075 | 75 | 167 | TSC0145 | 145 | 293 | TSC0215 | 215 | 419 | TSC0340 | 340 | 644 |
| TSC0080 | 80 | 176 | TSC0150 | 150 | 302 | TSC0220 | 220 | 428 | TSC0350 | 350 | 662 |
| TSC0085 | 85 | 185 | TSC0155 | 155 | 311 | TSC0225 | 225 | 437 | TSC0370 | 370 | 698 |
| TSC0090 | 90 | 194 | TSC0160 | 160 | 320 | TSC0230 | 230 | 446 | TSC0400 | 400 | 752 |
| TSC0095 | 95 | 203 | TSC0165 | 165 | 329 | TSC0235 | 235 | 455 | TSC0420 | 420 | 788 |
| TSC0100 | 100 | 212 | TSC0170 | 170 | 338 | TSC0240 | 240 | 464 | TSC0460 | 460 | 860 |
| TSC0105 | 105 | 221 | TSC0175 | 175 | 347 | TSC0245 | 245 | 473 | TSC0475 | 475 | 887 |

Rust Preventive Weldable Coating



BENEFITS

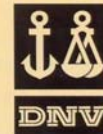
- **Rust Preventative**
 - Protects surfaces & prepared edges from rust
 - Eliminates cleaning of rust prior to welding- saves \$\$
 - Ideal for extended periods of outside steel storage
- **Weldable**
 - Ability to strike welding arc without removal
 - Provides protection for the weld pool
 - Leaves no residue or slag
- **Improves Weld Quality**
 - Reduces porosity & pinholing by protecting the weld pool
 - Assists in achieving X-ray quality welds
- **Safety**
 - Nuclear fabrication industry safe
 - Free from lead, sulfur, zinc, cadmium, mercury, chlorine and other halogens

Bloxide^o Rust Preventive Weldable Coating

Type Approved by:



ABS
AMERICAS DIVISION



APPLICATIONS

- Marine and off-shore fabrication, pipes, bridges and steel structures
- Effective on all steels including high tensile, carbon moly and chrome moly
- An excellent primer for paint and other coatings
- Apply by brush, dip or spray with no special equipment or training
- Covers approximately 800 square feet per gallon

Temperature Resistant to 800°F (427°C)

Aluminized Finish

Dry Time: @77°F & 50% rel. hum./Tack Free - 6 hrs.

Recommended Film Thickness:

Wet: 3.0 mil • Dry: .75 mil

Standard Packaging:

12 oz aerosol cans, quarts, gallons,
5 gal. pails and 55 gal. drums



How to Use

Fast and easy to apply to all metals. Simply spread it on from the can or directly from a tube which fits in a standard caulking gun. Just wipe off excess with water.

Standard Packaging:

12 oz tubes, quarts, gallons, 5 gallon pails

Anti-Heat^o Heat Absorbing Compound

BENEFITS

- **Absorbs Surface Heat** generated by welding, brazing or soldering
- **Eliminates Heat Damage** by preventing buckling, warping or other distortion of light-gauge metals
- **Creates a Barrier** prohibiting discoloration, blistering or cracking
- **Non-toxic**
- **Harmless to the Skin**
- **Asbestos Free and Odorless**
- **Adheres to** horizontal, vertical and overhead surfaces