Dampney® Company, Inc.

Thurmalox® 884 Series
Temperature Indicating Coatings

Dampney Company's Thurmalox 884 series line of temperature indicating coatings allows for a range of temperatures and colors which help to identify hot spots on refractory lined equipment, insulated equipment and process vessel overheating. Thurmalox 884 also has uses in the heat treating and OEM industries where an indicator is required as part of a heating or curing process.

- Very sharp, easily seen, irreversible color change
- One and two step color change options
- Suitable for shop or field application
- Available in standard 884 and low VOC 884C formulations
- Acceptable for use on ferrous and non-ferrous metals
- Can be recoated with itself after repairs
- Applied over suitable inorganic zinc rich primers, heat resistant silicone primers or existing coated surfaces
- Applied by brush, roller, conventional or airless spray methods
- Contains no heavy metals
- Thurmalox 884C products comply with SCAQMD Rule 1113 as a Color Indicating Safety Coating
- Thurmalox 884C products comply with BAAQMD Definition 8-3-301 as a Temperature Indicating Safety Coating

About Us
Dampney Company manufactures a wide range of heat resistant coatings for the refining, chemical processing, power generation, steel processing, mining and OEM industries. Typical applications include the protection of insulated and uninsulated metals exposed to extreme temperatures and corrosion.

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Product Code	**Thurmalox 884-050**	**Thurmalox 884-080 884C-080**	**Thurmalox 884-082 884C-082**	**Thurmalox 884-083 884C-083**	**Thurmalox 884-085 884C-085**	**Thurmalox 884-090 884C-090**
Color	Red	Green	Green	Green	Green	Blue
Continuous Temperature Resistance (no color change)	≤250˚F (121˚C)	≤450˚F (232˚C)	≤300˚F (149˚C)	≤350˚F (177˚C)	≤550˚F (288˚C)	≤500˚F (260˚C)
Indication Temperature (color change)	Red to Pink >300˚F (149˚C)	Green to White >520˚F (271˚C)	Green to Blue >356˚F (180˚C) Blue to White >590˚F (310˚C)	Green to Brown >425˚F (218˚C) Brown to Red >580˚F (304˚C)	Green to White >650˚F (343˚C)	Blue to White >590˚F (310˚C)
Volume Solids	34%	31% 49%	35% 51%	36% 55%	31% 52%	39% 55%
Dry Film Thickness	1.0-2.0 mils (25-50 µm)	1.0-2.0 mils (25-50 µm)	1.0-2.0 mils (25-50 µm)	1.0-2.0 mils (25-50 µm)	1.0-2.0 mils (25-50 µm)	1.0-2.0 mils (25-50 µm)
Theoretical Coverage at 2.0 mils (50 µm)	272 ft²/gal (6.74 m²/l)	248 ft²/gal (6.13 m²/l) 392 ft²/gal (9.6 m²/l)	281 ft²/gal (6.95 m²/l) 409 ft²/gal (10.05 m²/l)	289 ft²/gal (7.15 m²/l) 441 ft²/gal (10.08 m²/l)	248 ft²/gal (6.13 m²/l) 417 ft²/gal (10.24 m²/l)	313 ft²/gal (7.75 m²/l) 441 ft²/gal (10.8 m²/l)
Components	One	One	One	One	One	One
VOC Lb/Gal (G/L)	4.85 (582)	4.92 (590) 3.33 (399.6)	4.63 (555) 3.48 (418)	4.59 (550.8) 3.20 (384)	4.92 (590) 3.42 (410.4)	4.42 (530) 3.19 (383)

1. The condensed data published above is for reference only; please consult full product data sheets for detailed information.
2. Color change is dependent on variables such as time, temperature and thickness of metal surface. Color change or drift is possible based on these variables.
3. Thurmalox 884 Series Temperature Indicating Coating may require painting every 18-24 months depending on operating conditions.