



Dampney

OEM

Protective Coatings

**Thurmalox® 8877 Series
Direct To Metal OEM Copolymer
Heat Resistant to 1200°F (649°C)
Standard and Custom Colors**

Description

Thurmalox 8877 series coatings are high temperature, fast drying formulations based on silicone resins and thermally stable pigments. They are formulated specifically for original equipment manufacturing applications involving carbon steel and cast-iron components. Thurmalox 8877 series coatings provide outstanding adhesion, film integrity, color stability and thermal shock resistance. Thurmalox 8877 series coatings are available in a wide range of colors.

Recommended Uses

- Pumps, valves, casings and other flow control equipment
- Automotive components
- Ovens and furnaces

Features

- Withstands continuous temperatures up to 1000° F (538°C)
- Withstands repeated thermal cycling
- Fast dry

Not Recommended For

- Immersion service
- Direct contact with flame
- Galvanized or zinc primed surfaces

Surface Preparation

1. To ensure optimum long term coating system performance surfaces to be coated must be clean, dry, and free from dirt, oil, grease, salts or other foreign matter. Abrasive blasting will ensure optimum adhesion.
2. Surface cleaning methods recommended will depend upon type of matter or contaminant to be removed and condition of substrate. Consult Dampney Technical Service for specific recommendations.

Mixing

Re-disperse any settled pigments by thorough mixing to a uniform consistency with an explosion-proof or air-driven power mixer. Do not open containers until ready to use. Keep lid on container when not in use.

Application Guidelines

Apply a minimum of one coat to a dry film thickness of 1.0 - 2.0 mil. For optimum performance a second coat may be applied within specified curing schedule.

Application Equipment

Apply by brush, roller, conventional or airless spray equipment.

Thinning

Only thin Thurmalox 8877 series coatings with Dampney 100 fast evaporating or 112 slow evaporating thinner.

Note: Use of other thinners not approved by Dampney may hinder product performance and void product warranty.

Dry Time 70°F (21°C) @ 50% RH

Thurmalox 8877 series coatings will air dry tack free within 15-20 minutes depending upon air and surface temperature.

Cleanup

Thoroughly flush spray equipment and hoses immediately after use with Dampney 100 Thinner. Dismantle spray equipment and clean parts, brushes and rollers with Dampney 100 Thinner.

Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Information

WARNING: Flammable Liquid and Vapor

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing. Use with

adequate ventilation during mixing and application. Wear an appropriate, properly fitted organic vapor cartridge-type respirator (NIOSH approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Wash thoroughly after handling. Wear protective gloves, chemical safety goggles and impervious protective clothing. Use skin cream. In confined spaces it is required to use a positive pressure supplied-air respirator (NIOSH approved). Use explosion-proof lights and electrical equipment. Use only non-sparking tools and equipment. Wear conductive and non-sparking footwear. Make certain all electrical equipment is grounded. Observe all safety precautions and follow procedures described in OSHA regulations. See Safety

Data Sheet (SDS) for complete precautionary and disposal information.

If instructions and warnings cannot be strictly followed, do not use this product.

FOR INDUSTRIAL USE ONLY

Shipping Weights

	1 GAL.	5 GAL.	55 GAL.
Thurmalox 8877	11 lb. (5.0 kg)	46 lb. (20.9 kg)	525 lb. (238.1 kg)
Dampney 100	9 lb. (4.1 kg)	42 lb. (19.1 kg)	

TECHNICAL DATA

Characteristics	Thurmalox 8877
Generic Type	Silicone
Color	Black and custom colors
Finish	Low sheen
Temperature resistance	
Continuous	1000°F (538°C)
Intermittent	1200°F (649°C)
% Solids by volume	18 +/- 2% (varies with color)
Dry film thickness per coat	1.0 - 2.0 mils (25-50 microns)
Wet film thickness per coat	6 - 12 mils (150 - 300 microns)
Theoretical coverage per gallon	289 mil. sq. ft. (27 sq. m. @ 25 microns)
Application temperature @ 50% RH	60 - 90°F (16 - 32°C)
Drying time @ 70°F (21°C) 50% RH	
To touch	15 - 20 minutes
To handle	20 - 30 minutes
To recoat	1 hour
Weight per gallon	
Thurmalox 8877 Series	8.8 lb. (4.1 kg.)
Dampney 100 Thinner	7.1 lb. (3.2 kg.)
Flash point (Pensky Martens)	45°F (7°C)
Pot life	N/A
Shelf life	1 year
Volatile organic compounds	5.85 lb./gal. (696 g./l.)

WARRANTY

Dampney protective coating products are expressly warranted to meet applicable technical and quality specifications. The technical data contained herein are accurate at the date of issuance but are subject to change without prior notification. No warranty of current accuracy is hereby given or implied. User must contact Dampney to verify correctness before ordering. Dampney assumes no responsibility for coverage, performance or injuries resulting from handling or use and **LIABILITY, IF ANY, SHALL BE LIMITED TO PRODUCT REPLACEMENT.** In no event will Dampney be responsible for consequential damages, except insofar as mandated by law. Dampney **DISCLAIMS ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**