



Dampney Protective Coatings

Thurmalox® 270 Series **Stove and Hearth Accessories Coating** **Heat Resistant to 1200°F** **Standard and Custom Colors** **Packaged in Aerosol Cans**

Description

Thurmalox 270 series coatings are high temperature, fast drying formulations based on silicone resins and thermally stable pigments. They are formulated specifically to protect stoves (wood, coal, gas, pellet, etc.), hearth equipment and other metal surfaces operating at temperatures up to 1200°F (648°C). Thurmalox 270 series coatings provide outstanding adhesion, film integrity, color stability and thermal shock resistance throughout this entire temperature range. For exterior applications, use Thurmalox 245 Primer on bare metal surface to seal and prevent rust.

Thurmalox 270 series coatings are available in multiple colors. See color chart at www.stovepaint.com.

Recommended Uses

- Stoves (wood, coal, pellet, gas, etc.)
- Stove pipe
- Free-standing fireplaces and fireplace inserts
- Fireplace hoods, screens, and accessories
- Furnaces and heaters
- Engines, manifolds, mufflers

Features

- Withstands intense heat to 1200°F (648°C)
- Will not peel, flake or chalk
- Won't bleach or discolor
- Withstands repeated thermal cycling
- Dries for handling in 15 minutes
- Long-lasting
- Available in quarts and gallons
- Resistant to scratching and marring

Not Recommended For

- Immersion service
- Direct contact with flame
- Cooking surfaces
- Porcelain surfaces

Surface Preparation

1. To ensure optimum long term coating system performance, surfaces must be clean, dry and free from dirt, oil grease, salts, welding flux, oxides, old paint or other foreign matter.
2. Prepare surface by power washing, vapor degreasing, solvent cleaning or other chemical and mechanical methods.
3. Surface cleaning methods recommended will depend upon type of foreign matter to be removed and condition of substrate. Consult Dampney Technical Service for specific recommendations.

Mixing

Shake can vigorously for one minute until mixing ball begins to rattle.

Application Guidelines

1. Hold can no closer than 10-12 inches from surface to be sprayed.
2. Apply two light coats, allowing 10 minutes drying time between coats. Clean spray head immediately after use by turning can upside down and spraying until no more paint appears. If clogging occurs, remove spray head and clean with a fine wire. Replace carefully, pointing can and spray head opening away from you.
3. The number of coats of Thurmalox 270 series coatings needed depends upon service conditions of equipment.

Dry time

Thurmalox 270 series coatings will air dry tack and thumb print free in 15 minutes and will dry hard in 8 to 12 hours. Allow 1 hour minimum dry time between coats at 70°F (21°C) and 1/2 hour minimum dry time between coats at 90°F (32°C). Coating has excellent recoat properties. **Heat curing will provide optimum film properties. Provide ventilation when firing unit for the first time after painting.**

Cleanup

Clean up tools with acetone, MEK or toluene.

Storage

Store in cool, dry place with temperature between 50°F and 100°F (10°C and 38°C).

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. Observe all safety precautions and follow procedures described in OSHA regulations. Do not paint on hot surfaces.

Contains: Toluene, Propane, Isobutane, Xylene and Ethyl Benzene. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN. MAY CAUSE LIVER DAMAGE. Do not puncture or incinerate (burn) container. Exposure to heat or prolonged exposure to sun may cause bursting. Do not store at temperatures above 120°F.

NOTICE: Reports have associated repeated or prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Vapors may ignite explosively. Keep away from heat, sparks and flame. VAPORS MAY CAUSE FLASH FIRE. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. If swallowed, do not induce vomiting. Call physician immediately.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

TECHNICAL DATA

Characteristics	Thurmalox 270 Aerosol
Generic Type	Silicone
Color	Black, Satin Black and custom colors
Finish	Low sheen, satin black, metallic and clear gloss
Temperature resistance	
Continuous	1000°F (538°C)
Intermittent	1200°F (649°C)
Theoretical coverage per 12 oz. can	18-25 square feet per can
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	1-2 hours
Cure time	fire unit for full cure (after 24 hour air dry)
Shelf life	1 year

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.**