



**Dampney**

## **Protective Coatings**

### **Thurmalox<sup>®</sup> 270 Aerosol Series Stove and Hearth Accessories Coating Heat Resistant to 1200° F Standard and Custom Colors**

#### **Description**

Thurmalox 270 aerosol 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.

Thurmalox 270 aerosol series coatings are available in a wide range of standard colors (see Thurmalox 270 series color card).

#### **Recommended Uses**

- Stoves (wood, coal, pellet, gas, etc.)
- Stove pipe
- BBQ Pits, Smokers
- Free-standing fireplaces and fireplace inserts
- Fireplace hoods, screens, and accessories
- Furnaces, heaters and radiators
- 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 12 oz. aerosol cans for touch-up
- Resistant to scratching and marring

#### **Not Recommended For**

- Immersion service
- Direct contact with flame
- Cooking surfaces
- Appliance stoves

#### **Application Guidelines**

Before applying observe safety precautions. **DO NOT APPLY TO HOT SURFACE. USE ONLY IN WELL VENTILATED AREA. SHAKE WELL BEFORE USING.** Make certain surfaces and contents of item to be painted have completely cooled down. Do not apply unless surface temperature is between 60-90°F (16-32°C). Remove all dust, dirt, rust, oil, grease and loose paint from surface. Roughen any glossy paint with sandpaper. Mask off areas not to be sprayed. Protect adjacent areas with drop cloth or newspapers. For best results apply when spray can and room temperatures are between 60-80°F (16-27°C). Shake can vigorously for one minute after mixing ball rattles freely to ensure proper mixing and to prevent spray head from clogging. Repeat frequently during use. Hold can 12-15 inches from surface and apply using steady even strokes. Apply two light coats allowing 10 minutes drying time between coats. Dispose of can in accordance with applicable regulations. **DO NOT** burn or place in home garbage compactor. Fresh paint may give off mild fumes and smoke the first few times the stove is fired. Provide fresh air ventilation during first 2-3 burns. Smoke and odor should disappear and not be a problem thereafter. **Warning!** Do not apply to cooking surfaces.

#### **Painting Conditions**

Use outdoors or in a well ventilated area such as an open garage. Use when temperature is between 50-90°F (10-32°C) and humidity is below 85% to ensure proper drying. Priming is not recommended unless rust and corrosion is a concern. Do not use on metal directly exposed to open flame or in direct contact with food, such as a grill grate. If using sprays, avoid application in very windy and dusty conditions. Cover surrounding area to protect from spray mist.

#### **Surface Preparation**

Remove all dirt, grease, oil, salt and allow to thoroughly dry. Remove loose paint and rust with a wire brush or sandpaper or mechanical methods.

**Dry Time 70° F (21° C) 50% RH**

Allow paint to dry 24 hours before heating. For full properties, coating should see 350°F for 30-45 minutes. When using the for the first time, open windows and provide ventilation as the new paint finish may emit solvent odor. ThurmaloX 270 series aerosol 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.

**Cleanup**

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.

**Storage**

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

**Precautionary Information**

**DANGER:** Vapors may ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. 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. 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.

**WARNING:** To avoid breathing vapors or spray mist, open windows and doors or use other means to 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.

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE; ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800- 424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**FOR INDUSTRIAL USE ONLY**

**Shipping Weights**

ThurmaloX 270 series coatings are available in 12 oz. aerosol cans - 2 lb. (.9 kg). The 12 oz. aerosol cans are available in a case of 12 - 12 lb. (6.4 kg).

**TECHNICAL DATA**

<b>Characteristics</b>	<b>ThurmaloX 270</b>
Generic Type	Silicone
Color	Black See color card.
Finish	Low sheen, satin black, and metallic
Temperature resistance	
Continuous	1000°F (538°C)
Intermittent	1200°F (649°C)
% solids by volume	18 (varies with color)
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
Max recommended dry film thickness per coat	1.0 – 2.0 mils (25 – 50 µ)
Wet film to achieve dry film thickness per coat	2.5 – 5.0 mils (62.5 – 125 µ)
Practical Coverage at recommended thickness	7 -8 sq ft per can
MIR (Maximum Incremental Reactivity)	1.85

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