Product Description:
ICE Coating is a high solids, waterbased, heavy bodied elastomeric coating formulated with an acrylic latex polymer and utilizes Tremco’s patented nanotechnology. ICE Coating (formerly known as High Build Reflective Coating) is asbestos free.

Basic Uses:
ICE Coating is used as a final surface coat with the ICE System and can be used over smooth asphaltic built-up and modified bitumen roof systems. ICE Coating can also be used as a coating over Spray Polyurethane Foam (SPF) roofing systems as either a new coating or as a restoration coating over compatible and properly prepared existing systems.

ICE Coating may be applied over single ply roof membranes such as EPDM, CSPE, PVC and PIB provided the surface is properly prepared and primed with Tremco SP Primer.

A roof coated with ICE Coating exceeds the requirements of California’s Title 24 Energy Efficiency Standards and is listed with the Cool Roof Rating Council (CRRC).

As an ENERGY STAR Roof Products Partner, Tremco has determined ICE Coating meets the ENERGY STAR Roof Products guidelines for energy efficiency.

Limitations:
Surfaces must be clean and free of dirt, dust, and other contaminants. Not intended for use in ponded areas.

Do not apply if rain is expected within 24 hours. If temperatures are expected to drop below 60°F (15°C), do not apply if rain is expected within 48 hours.

Do not apply to wet surfaces. Do not apply unless the ambient and surface temperatures are at least 5°F above the dew point. Do not apply or allow to cure under high humidity conditions above 90% RH, mist, or fog, such as what can occur in coastal or mountain areas.

ICE Coating must be applied in two separate coats under certain temperature and humidity conditions. See chart on next page for specific conditions.

Do not apply unless temperatures are at least 45°F (7°C) and rising. Do not apply if temperatures are expected to drop below 45°F within 48 hours of application.

Curing Period
ICE System: Allow 4 hours cure time on the ICE System prior to coating with ICE Coating.

Smooth Asphaltic Built-Up and Modified Bitumen Roof Systems: Allow for a minimum 30-day cure period prior to application of the ICE Coating over roof mastic and cold process roof systems, such as the BURmastic System.

Do not apply over hot applied asphalt or coal tar pitch flood or glaze coats.

Vertical surfaces require a 2-coat application to minimize the potential for sag of the coating.

ICE Coating must be allowed time for sufficient cure prior to end of the day. Application must cease at least 4 hours prior to sunset.

Packaging:
ICE Coating is available in 5-gallon (19 liter) pails and 53-gallon (200 liter) plastic lined drums.

Grade:
Spray/Roll/Squeegee

Storage:
Shelf life is one year in unopened containers. Store containers at temperatures above 45°F (7°C) and below 125°F (51°C). Do not allow containers to freeze. Store containers indoors.

Color:
White. Custom colors are available upon request.

Equipment:
Airless Spray: Pneumatic, hydraulic, or electric pump with a minimum 2,000 psi material output pressure and an output flow rate of 3 GPM or better. Reversible spray tip with a 0.035” to 0.052” orifice and a 40- to 60° spray fan. Material spray lines must be properly rated for the maximum working pressure of the pump being used.

Brush:
China bristle, nylon/polyester, nylon, or Tampico.

APPLICATION DATA
Surface Preparation:
All fresh applications of mastics and asphalt coatings require 30-day minimum cure period prior to application of ICE Coating.

Remove all dirt, dust, and other debris from the roof area. Area to be coated must be a clean, sound, and dry surface.

All asphaltic surfaces including granule-surfaces modified bitumen membranes, require light priming with Improved TremPrime SP, at a coverage rate of 200 to 400 sq. ft./gal (4.9 - 9.8 m²/L). Allow primer to fully dry. Primer and coating must be applied the same day.

Powerwash all single ply membranes. Repair surfaces as necessary.
After repairs are fully cured, prime single ply surfaces with Tremco SP Primer. Allow primer to fully dry prior to application of ICE Coating.

Priming between coats of ICE Coating is not required, however, the base coat must be clean and dry.

Application:
Mix each container thoroughly using a mechanical mixer prior to application.

Apply ICE Coating in a one or two coat application, based on temperature and weather conditions (see temperature/humidity chart). For two coat applications, allow first coat to fully dry to support foot traffic without tracking before application of second coat.

During spray application, take necessary precautions to avoid overspray.

Drying time will vary based on weather conditions during application. Drying times will be longer under cool temperature, high humidity and/or overcast conditions. Drying time will improve under sunny or breezy conditions.

Avoid foot traffic for 5 days minimum on final surface coat especially under high humidity conditions. Tracking may occur for approximately one week following application, especially under high humidity or cool ambient conditions. Consult your Tremco Representative for further recommendations.

Coverage Rates:
4 gal/SQ (1.6 L/m²) for single coat applications. For two coat applications: Apply 2 gal/SQ (0.8 L/m²) per coat. This coverage provides approximately 45 dry mil film thickness.

Clean-Up:
Clean equipment with water prior to cure.

Precautions:
Users must read container labels and Material Data Safety Sheets for health and safety precautions prior to use.

Availability and Cost:
Contact your local Tremco Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000

Maintenance:
Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

Guarantee/Warranty:
Tremco Inc. warrants ICE Coating to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any ICE Coating product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY. All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Physical Performance Characteristics

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Drying time will vary based on weather conditions during application. Drying times will be longer under cool temperature, high humidity and/or overcast conditions. Drying time will improve under sunny or breezy conditions.

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Coverage Rates:
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