



Thermal Insulation Chemicals

TIC CORPORATION

Product Data Sheet TIC 2030 Weather Barrier Coating

Description

TIC 2030 Weather Barrier Coating is high solids, water based, general-purpose mastic having excellent spray and brush properties. Weather Barrier Coating is used for the protection of thermal insulation and hard, dry cement coats, both indoors and outdoors.

TIC 2030 Weather Barrier Coating is fire-resistive and features ease of application, non-flammability, non-toxicity, mild odor, insulation compatibility, good package stability, plus excellent outdoor durability.

TIC 2030 Weather Barrier Coating contains no asbestos, lead, mercury or mercury compounds.

Properties

Property	Specification	Test method
Color	White	TSTM-01
Application	Spray or brush	TSTM-06
Density	1.30 ± 0.05 kg/ℓ	ASTM D 1475
Volume non-volatile	64 ± 1 %	ASTM D 1644
Weight non-volatile	74 ± 1 %	ASTM D 1644
Coverage	2.03 kg/m ² (1.56 ℓ/m ²) Dried film thickness: 1.0 mm	TSTM-07
Drying time	Set to touch: 3 hours Dry through: 16 hours	ASTM D 1640
Service temperature limits	(Temperature at coated surface) -40 °C ~ 121 °C (-40 °F ~ 250 °F)	TSTM-04
Water vapor permeance	≤ 1.0 perms (DFT 1.6 mm)	ASTM E 96
Wet flammability	≥ 100 °C (212 °F)	ASTM D 3278
Surface burning characteristics	Classification: CLASS A Flame spread: 15 (0~25) Smoke developed: 45 (0~450) Surface: Applied over fiber reinforced cement board at a coverage rate of 25 sq.ft/gal (0.61 m ² /ℓ)	TSTM-14

Limitations

Store and apply between 4 °C (40 °F) and 38 °C (100 °F), protect from freezing until dry.

To resist rain-wash off, allow at least 16 hours drying time above 4 °C (40 °F), with relative humidity of 50 %. Higher humidity at lower temperatures may retard drying.

Select **TIC 2035 Weather Barrier Mastic** for trowel or glove application.

Material Preparation

DO NOT THIN. TIC 2030 Weather Barrier Coating will appear to be thick, but this is a "false" consistency, which "breaks down" readily on application. Stirring is not necessary. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

Application

1. **Brush** - Use a good brush (suitable for water-based paints), making strokes as long as possible over the surface. Apply with full brush and spread out evenly. Do not overwork. Multiple coats needed to achieve the minimum dry film thickness.
2. **Spray** - For spray equipment information, please consult Airless Spray Recommendations or contact your spray equipment supplier. Average Viscosity Range is between 60,000 - 100,000 cps. Corrosion resistant pumps and fittings are suggested.

Clean-up

Use fresh water to clean brushes and equipment before product dries. For remove the dry product use hot soapy water (with ammonia added) or strong solvents such as chlorinated solvent (non-flammable) or xylene (flammable).

Note

Important: We make no other warranties and expressly disclaim any warranties of merchantability or fitness for a particular purpose. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. Our acceptance of any orders for the product is expressly conditional upon purchaser's assent to the terms on the applicable invoice.

Adequate Tests: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be perform by you to determine if this product meets all of your requirements. The shelf life can be affected by storage and handling conditions. When products are stored in the original unopened container in an enclosed area and protected from contamination, moisture and extreme temperatures, the warranted shelf life is twelve months from the date of shipment to the original purchaser.