

Product Data Sheet TIC 2015/16 WB Vapour Barrier Mastic

Description

TIC 2015/16 WB Vapour Barrier Mastic is a high solids water base, fire resistive, flexible vapour barrier finish for most types of thermal insulation, including polystyrene foam. It may use over dry concrete, finishing cement, and most metals.

TIC 2015/16 WB Vapour Barrier Mastic is a nonflammable when wet and has a mild latex “paint type” odor. It is designed for heavy duty/industrial use on pipes, vessels, ducts, and equipment operating between ambient temperatures. It may use for indoors.

TIC 2015/16 WB Vapour Barrier Mastic has the water resistance and low water vapour permeance normally found only in solvent-based products. It can use in high humidity environments, and greatly retards water vapour permeation.

TIC 2015/16 WB Vapour Barrier Mastic is ideal for vapour sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures. It is an excellent sealant for duct board closure. Do not exceed 1/8" (3.2 mm) wet film thickness.

TIC 2015/16 WB Vapour Barrier Mastic contains no asbestos, lead, mercury, or mercury compounds.

Properties

Property	Specification	Test method
Color	TIC 2015 White / TIC 2016 Gray	TSTM-01
Application	Trowel or glove	TSTM-06
Density	1.38 ± 0.05 Kg/ℓ	ASTM D 1475
Volume non-volatile	61 ± 1 %	ASTM D 1644
Weight non-volatile	71 ± 1 %	ASTM D 1644
Coverage	6.79 Kg/m ² (4.92 ℓ/m ²) Dried film thickness: 3.0 mm	TSTM-07
Drying time	Set to touch: 60 ~ 90 minutes Dry through: 24 hours	ASTM D 1640
Service temperature limits	(Temperature at coated surface) -30 °C ~ 121 °C (-22 °F ~ 250 °F)	TSTM-04
Water vapour permeance	≤ 0.012 perms (DFT 1.1 mm)	ASTM E 96
Wet flammability	≥ 100 °C (212 °F)	ASTM D 3278
Surface burning characteristics	Classification: CLASS A Flame spread: 5 (0~25) Smoke developed: 15 (0~450) Surface: Applied over fiber reinforced cement board at a coverage rate of 25 sq.ft/gal (0.61 m ² /ℓ)	ASTM E 84

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 24 hours drying time above 10 °C (50 °F), with a relative humidity of 50%. Higher humidity and/or lower temperature may retard drying.

Always test foil and paper facings for acceptable adhesion before using.

Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/4" per foot (2 cm/m) is recommending.

Application

Material Preparation

DO NOT THIN. Apply only to clean, dry, oil free surfaces. Keep container closed when not in use. Stirring is usually not necessary.

Application

To prevent water vapor and moisture infiltration, proper and complete flashing is required. Follow flashing specifications.

1. Moisture Barrier Sealer

To prevent water vapor and moisture infiltration, proper and complete flashing is required. Follow flashing specifications.

1) Where required at all fittings and at specified intervals of straight-run pipe insulation, apply TIC 2015/16 WB Vapour Barrier Mastic at 1/16 inch (1.6 mm) thick to all butt joints of pipe insulation and onto the bore of the insulation for a minimum of 2 inches (5 cm) from the joint.

2) Position insulation, press firmly into place making certain that a complete unbroken seal is obtained.

2. Trowel - Use clean steel trowel. Apply each coat in full thickness before initial set. Avoid excessive trowel.

3. Glove - 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.

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 warranted shelf life of our products is twelve months from date of shipment to the original purchaser.

TIC CORPORATION

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