

**Description**

**TIC 3010 C.I Mastic** is tough, durable, high solids vapour barrier asphalt cutback mastic. Because of its low vapour permeance, it is an ideal surface coating for low temperature insulation on outdoor applications.

**TIC 3010 C.I Mastic** may use on heated lines, vessels, and equipment in intermittent or dual temperature service to prevent the entrance of water vapour into the insulation during off periods or on cold cycles.

**TIC 3010 C.I Mastic** may use as a solvent-based adhesive for asphaltic felt vapour barrier jackets on pipe and duct insulation.

**Properties**

Property	Specification	Test method
Color	Black	TSTM-01
Application	Trowel or glove	TSTM-06
Density	1.20 ± 0.05 Kg/ℓ	ASTM D 1475
Volume non-volatile	70 ± 1 %	ASTM D 1644
Weight non-volatile	80 ± 1 %	ASTM D 1644
Coverage	5.14 Kg/m <sup>2</sup> (4.29 ℓ/m <sup>2</sup> ) Dried film thickness: 3.0 mm	TSTM-07
Drying time	Set to touch: 6 ~ 10 hours Dry through: 7 days	ASTM D 1640
Service temperature limits	(Temperature at coated surface) -40 °C ~ 93 °C (-40 °F ~ 200 °F)	TSTM-04
Water vapour permeance	≤ 0.015 perms (DFT 3.2 mm)	ASTM E 96
Wet flammability	≥ 44 °C (111 °F)	ASTM D 93

**Limitations**

Store and apply between 4 °C (40 °F) and 38 °C (100 °F).

TIC 3010 C.I Mastic may weather to a dark gray color.

Always test plastic materials for compatibility when using solvent-based product. Do not use on polystyrene foam.

**Application**

**Material Preparation**

DO NOT THIN. Do not use sticks or boards, which would splinter or otherwise contaminate the product. Apply only to clean, dry, oil free surfaces. Keep container closed when not in use. TIC 3010 C.I Mastic cannot successfully apply by brush or spray.

**Application**

- 1. Outdoor and Heavy Duty Service** - Apply a tack coat of TIC 3010 C.I Mastic at a thickness of 1/16 inch (1.6 mm). This is equivalent to 4 gallons per 100 square feet (1.61 ℓ/m<sup>2</sup>). Smooth membrane to avoid wrinkles and overlap all seams at least 2 inches (5 cm). Apply a finish coat of TIC 3010 C.I Mastic at a minimum thickness of 1/8 inch (3.2 mm). This is equivalent to 8 gallons per 100 square feet (3.3 ℓ/m<sup>2</sup>). This finish coat shall apply no later than 1 hour after the tack coat and shall completely cover the membrane. This application shall provide a minimum dry film thickness of 129 mils (3.3 mm).
- 2. Trowel** - Use clean tools and equipment. Work in long, even strokes to ensure uniform thickness. Wet tools in mineral spirits (flammable) are occasionally to prevent build-up of dried mastic.

**Clean-up**

Clean tools and equipment with mineral spirits (flammable) or chlorinated solvent (non-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 performed 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**

Headquarter & Factory: 106, 5sandan-2ro, Seongnam-myeon, Dongnam-gu, Cheonan-si, Chungcheongnam-do Province, Republic of Korea Tel +82 41 558 4252(Rep), Fax +82 41 558 9360, e-mail [tic@tickorea.com](mailto:tic@tickorea.com)  
[www.tickorea.com](http://www.tickorea.com)

*Rev 3.1*