

**Description**

**TIC 6085 Elastomeric Adhesive** is an economical, quick-setting, synthetic elastomeric insulation adhesive. It has been designed for use in attaching low density (up to 0.05 Kg/ℓ) duct liner and fibrous glass insulation to sheet metal.

**TIC 6085 Elastomeric Adhesive** can be used with conventional or airless spray equipment. It features extremely good tack and a long open time, making it ideal for attaching duct wrap and similar blanket type insulations.

**TIC 6085 Elastomeric Adhesive** meets ASTM C 916, Type IV requirements.

**TIC 6085 Elastomeric Adhesive** contains no asbestos, lead, mercury, or mercury compounds.

**Properties**

Property	Specification	Test method
Color	Red Clear and other colors are available on special order	TSTM-01
Application	Brush, spray or roller	TSTM-06
Density	0.85 ± 0.05 Kg/ℓ (7.1 lbs/gal)	ASTM D 1475
Volume non-volatile	21 ± 1 %	ASTM D 1644
Weight non-volatile	24 ± 1 %	ASTM D 1644
Coverage	0.53 Kg/m <sup>2</sup> (0.62 ℓ/m <sup>2</sup> ) Dried film thickness: 0.13 mm	TSTM-07
Bonding time	0 ~ 30 minutes	TSTM-17
Peel strength	> 9.0 g/mm	ASTM D 903
Service temperature limits	(Temperature at coated surface) -40 °C ~ 93 °C (-40 °F ~ 200 °F)	TSTM-04
Wet flammability	< -7 °C (20 °F)	ASTM D 3278
Surface burning characteristics	Classification: CLASS A Flame spread: 10 (0~25) Smoke developed: 5 (0~450) Surface: Applied over fiber reinforced cement board at a coverage rate of 300 sq.ft/gal (7.4 m <sup>2</sup> /ℓ)	ASTM E 84

**Limitations**

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

Always test plastic materials and painted surfaces for compatibility when using a solvent base product.

Allow to dry to a solvent-free condition before installing weld pins.

Not suggested for sealing vapour barrier jackets.

## Application

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#### Material Preparation

Stir well. DO NOT THIN. Apply only to clean dry surfaces. Keep container closed when not in use to prevent solvent evaporation.

#### Application

Clean all surfaces thoroughly. Make sure the surfaces are free of any oil residue. Apply a uniform coverage of adhesive to one surface at 7.4 ~ 12.3 m<sup>2</sup>/ℓ (wet film thickness: 0.13 ~ 0.08 mm). While the adhesive is still wet, combine substrates with sufficient pressure to ensure 100 % contact

1. **Spray** - May be spray applied with conventional air atomizing equipment or airless spray equipment. For spray equipment information, please consult Spray Recommendations or contact your spray equipment supplier. If stored below 16 °C (60 °F), the product should be conditioned in its unopened container at room temperature for at least 24 hours before spraying. Average viscosity range is 500 - 1,000 cps.

#### Clean-up

Use a 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 performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

#### **TIC CORPORATION**

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