



Thermal Insulation Chemicals

TIC CORPORATION

Product Data Sheet TIC 6084 QS Elastomeric Adhesive

Description

TIC 6084 QS Elastomeric Adhesive is a low cost, quick-setting synthetic elastomeric adhesive for use with fibrous glass insulation (up to 0.05 kg/ℓ) duct wrap and acoustical linings for air handling ducts.

TIC 6084 QS Elastomeric Adhesive is designed for use in applications where fibrous glass insulation is bonded to the interior or exterior of sheet metal air-conditioning ducts.

TIC 6084 QS Elastomeric Adhesive meets ASTM C 916, Type IV requirements.

TIC 6084 QS Elastomeric Adhesive contains no asbestos, lead, mercury, or mercury compounds.

Properties

Property	Specification	Test method
Color	Green	TSTM-01
Application	Brush, spray or roller	TSTM-06
Density	0.84 ± 0.05 kg/ℓ	ASTM D 1475
Volume non-volatile	18 ± 1 %	ASTM D 1644
Weight non-volatile	22 ± 1 %	ASTM D 1644
Coverage	0.93 kg/m ² (1.11 ℓ/m ²) Dried film thickness: 0.2 mm	TSTM-07
Bonding time range	in 15 minutes	TSTM-17
Peel strength	> 9.0 g/mm	
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: 25 (0~450) Surface: Applied over fiber reinforced cement board at a coverage rate of 200 sq.ft/gal (4.5 m ² /ℓ)	ASTM E 84

Limitations

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

Always test plastic materials for compatibility when using a solvent-based product.

Make sure this product is completely dry and the area free from solvent odor.

Not suggested for sealing vapor barrier jackets.

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

Material Preparation

DO NOT THIN. Stir well, but do not use sticks or boards, which would splinter or otherwise contaminate the product.

No need to prime aluminum or galvanized metal. Apply only to clean, dry surfaces. Keep container closed when not in use to prevent solvent evaporation.

Application

1. **Brush** – Use a clean paintbrush. Apply uniformly to metal surface at 4.9 ~ 9.8 m²/ℓ (wet film thickness 0.2~0.1 mm). Press insulation into place, making sure complete contact is made with applied adhesive. Bond may be within 0~15 minutes.
2. **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 equipment suppliers. Average viscosity range is 2,500~3,500 cps.

Clean-up

Use solvents such as chlorinated solvent (non-flammable) or mineral spirits (flammable) for cleaning brushes and equipment.

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 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.