

### DESCRIPTION

**TIKI F9544** is flexible fast drying vapour barrier sealant based on modified elastomers.

### USES

- It is used as joint sealant in low velocity duct air-conditioning systems.
- It is used to seal laps of Aluminum jacketing to prevent ingress of moisture.
- It is used as flashing compound to flash projections and terminations preventing entrance of moisture thereby providing complete protection.
- It is specially designed for sealing joints in insulation (except polystyrene foam), metal and masonry providing water-tight and air-tight seal.

### ADVANTAGES

- It remains intact in joints without cracking or shrinking under repeated thermal cycles due to its elastomeric property.
- Its unique vapour barrier property seals the joints of insulation against entrance of moisture thereby minimizing corrosion under insulation.
- It can be top coated with solvent based flexible coatings.
- It has excellent weather resistant property and can be used outdoors without top coating (The sealant surface may darken or discolour due to surface dirt pick up without affecting its performance).
- It contains no hazardous compounds of lead and mercury.

### PROPERTIES

<b>DENSITY (ASTM D 1475)</b>	> 1.05 Kg./Ltr.
<b>NON-VOLATILE (ASTM D 2369)</b>	55-58 % by Volume 65% by Weight
<b>SERVICE TEMPERATURE LIMITS (TSTM 10)</b>	-105°C to 145°C (Temperature at coated surface)
<b>WET FLAMMABILITY- FLASH POINT (ASTM D 3278)</b>	>45°C
<b>SURFACE BURNING CHARACTERISTIC (ASTM E84)</b>	
<b>FLAME SPREAD INDEX</b>	10
<b>SMOKE DEVELOPED INDEX</b>	5

### SURFACE PREPARATION

The surface to be treated should be thoroughly cleaned to remove loose dust, foreign particles, oil and other contaminants.

### APPLICATION INSTRUCTIONS

When sealing insulation joints apply sealant to the edges of abutting sections and press mating surfaces together firmly to squeeze out air bubbles and obtain complete contact.

Strike off excess sealant on surface with a trowel or putty knife.

When flashing projections and terminations, do not trowel out to featheredge but maintain uniform thickness throughout entire area. Fiberglass resin treated membrane can be used as reinforcement, if required.

**POWER EXTRUSION** - Sealant may be applied using power (pressure) extrusion equipment or by hand operated caulking gun suitable for use with solvent base sealants. Suitable trial shall be conducted for applicability.

### COLOUR

Aluminum (Gray)

### APPLICATION CONSISTENCY

Applied by Trowel/Caulking Gun

### COVERAGE RANGE (TSTM 20)

By Trowel: 0.30-0.65 m<sup>2</sup>/l  
@ 3.20 mm to 1.60 mm w.f.t

By Caulking Gun: 9m/tube  
@ 6.4 mm bead

### DRYING TIME (ASTM D 1640)

Touch Dry: < 30 Minutes  
Through Dry: < 70 Hours

### WATER VAPOUR PERMEANCE (ASTM E96)

0.01 perms (0.0066 metric perms)  
at 2.0mm d.f.t

\*The water vapour transmission through 1 inch of impermeable insulation in 12 x 18 in. blocks with 1/8 in. joints of TIKI F9544).

### CLEAN-UP

Use suitable solvent for cleaning equipment and tools used for applying **TIKI F9544**.

### STORAGE

**TIKI F9544** must be stored under covered shed and protected from extremes of temperature, heat, spark, flame and sources of ignition. Keep container closed when not in use.

### SHELF LIFE

Shelf life is 12 months when stored in original sealed condition. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

### SAFETY PRECAUTIONS

As with all Products used in Insulation, care should be taken during use and storage of **TIKI F9544** to avoid contact with eyes, mouth, skin and foodstuffs until product is fully cured or dried.

Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from flames, sources of ignition, sparks, children and animals. Reseal containers after use. Do not reuse containers for storage of consumable items.

Disclaimer: TIKI TAR INDUSTRIES Warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. While TIKI TAR endeavors to ensure that information given herein is correct to the best of our knowledge it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

We recommend that adequate tests be performed by you to determine if this product meets all of your requirements.

**Note:** Properties subject to change as per specific requirement.

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Website: [www.tikiinsulation.com](http://www.tikiinsulation.com)

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ISO 17025: 2017

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