

Elastomeric Mastic

DESCRIPTION

TIKI F6090/6091 is fire resistant tough and flexible elastomeric mastic based on blend of specialty polymers. It contains chlorosulfonated polyethylene rubber (Hypalon).

USES

- It is used as protective mastic for protecting outdoor thermal insulation from extremes of weather.
- It is used as an excellent VAPOUR BARRIER MASTIC for low temperature insulation on tanks, pipework, vessels, ductwork, and fittings.

ADVANTAGES

- The finished mastic has excellent outdoor durability.
- The mastic has good resistance to various chemicals and ultra violet light.
- The unique elastomeric property provides mastic resistance to cracking due to thermal cycles over a wide range.
- Its thixotropic property makes trowelling smooth and easy without excessive drag.
- Easy to use single component product, usually applied in two applications with trowel producing finish of excellent weather and vapour resistance.

PROPERTIES

DENSITY (ASTM D1475) 1.25 to 1.30 Kg/Ltr.

NON-VOLATILE (ASTM D2369) 42% \pm 1 by volume
60% \pm 1 by weight

SERVICE TEMPERATURE LIMITS (TSTM 10)
(TEMP. AT COATED SURFACE.) -50°C to 125°C

WATER VAPOUR PERMEANCE \leq 0.02 perms
(ASTM E96 METHOD A) (0.013 metric perms) 1.2 mm d.f.t

WET FLAMMABILITY (ASTM D 3278) \geq 45°C

SURFACE BURNING CHARACTERISTIC (ASTM E84)
FLAME SPREAD INDEX 5
SMOKE DEVELOPED INDEX 15

SURFACE PREPARATION

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

To prevent water vapour and moisture infiltration, proper and complete flashing is required.

Outdoor horizontal surfaces must always drain completely.

APPLICATION INSTRUCTION

For best results, select **TIKI F9544** Elastomeric Vapour Barrier Sealant for insulation joint sealing under **TIKI F6090/6091**.

For Normal Service Conditions:

Apply first coat @ 1 m²/l. Embed Polyester / Fibre Glass Reinforcement into wet first coat. Smooth membrane to avoid wrinkles and overlap all seams at least 5 cm. Apply second coat of @ 0.65 m²/l.

The second coat shall be applied no later than 2 hours after the application of first coat and shall completely cover the reinforcing membrane. This application shall provide a minimum dry film thickness of 1 mm.

For Severe and Cryogenic Service Conditions:

Apply first coat @ 0.85 m²/l, second coat @ 0.50 m²/l with reinforcement between the coats.

For vertical surface application allow first coat embedded with reinforcement to set before applying the second coat.

To achieve best finish & prevent build-up of dried mastic on application tools, wet tools with detergent foam (not soap) occasionally during application.

COLOUR	F6090: White F6091: Gray
APPLICATION CONSISTENCY	Trowel / glove
COVERAGE RANGE (TSTM 20)	2.0 l/m ² @ 2.0 mm w.f.t (0.8 mm d.f.t) 2.8 l/m ² @ 2.8 mm w.f.t (1.2mm d.f.t) for Cryogenic
DRYING TIME (ASTM D1640)	
TOUCH DRY	< 5 Hours
DRY THROUGH	< 36 Hours

CLEAN-UP

Use suitable solvent for cleaning equipment and tools used for applying. **TIKI F6090/6091**.

STORAGE

TIKI F6090/6091 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 F6090/6091** 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. Do not smoke during use. Reseal container after use. Do not reuse container 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

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ISO 9001: 2015