

Vapour Barrier Elastomeric Mastic

DESCRIPTION

TIKI MASTIC - Colour: (6038)-White, (6039)-Greyish

It is flexible elastomeric mastic based on modified polymers for protecting thermal insulations installed outdoors.

USES

- It is used as protective finish and vapour barrier mastic for protecting outdoor thermal insulation from extremes of weather conditions.
- It is used as vapour barrier mastic finish for various fittings used in mechanical insulation.

ADVANTAGES

- Finished mastic has excellent outdoor durability in extremes of weather condition.
- The mastic has good resistance to various chemicals.
- Its unique vapour barrier property protects the insulation against ingress of moisture thereby minimizing damage to insulation and ensuring maximum insulation efficiency.
- Single pack system enables quick application, reducing application cost.
- The finish coating provides excellent resistance to fungus, algae and mold formation ensuring safer environment to work.
- It contains no hazardous compounds of lead and mercury.

PROPERTIES

DENSITY (ASTM D 1475)	1.05 to 1.10 Kg./Ltr.
NON-VOLATILE (ASTM D 2369)	>45% by weight >30% by volume
SERVICE TEMPERATURE LIMITS (TSTM 10)	-38°C to 125°C (Temperature at coated surface)
WET FLAMMABILITY- FLASH POINT (ASTM D 3278)	≥45°C
WATER VAPOUR PERMEANCE (ASTM E96)	0.015 Metric Perms (0.023 perms) @0.80 mm d.f.t
SURFACE BURNING CHARACTERISTIC (ASTM E84)	
FLAME SPREAD INDEX	15
SMOKE DEVELOPMENT	25

SURFACE PREPARATION

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

Always ensure that outdoor horizontal surfaces drain completely.

APPLICATION INSTRUCTIONS

For best results, select **TIKI F9544** or **TIKI P9550** for insulation joint sealing under **TIKI M6038/6039**.

For Normal Service Condition: Apply first coat of **TIKI M6038/6039** @0.90 l/m² While first coat is still wet, a layer of reinforcing mesh shall be embedded maintaining overlap of 5cm at seams. Apply second coat @ 1.80 l/m² within 2 hours of application of first coat fully covering reinforcing mesh. Avoid wrinkling of reinforcing mesh.

All adjoining insulated or un-insulated surfaces must be completely flashed to prevent moisture and water vapour intrusion. If needed, suitable reinforcing mesh can be used while flashing.

For Severe and Cryogenic Service Condition: Application of additional coat is recommended over the dried second coat @ 1.30 l/m².

Build-up of mastic on application tools can be avoided by occasionally wetting the tools with detergent foam. Best mastic finish may be achieved by smoothing wet film of **TIKI M6038/6039** with a clean trowel wetted with detergent foam(not soap).

APPLICATION CONSISTENCY

Applied by Trowel / Rubber Glove

COVERAGE RANGE (TSTM 20) (Varies with the substrate)

2.35 l/m² @ w.f.t 2.4mm and d.f.t of 0.8mm

DRYING TIME (ASTM D 1640)

Touch Dry: 2 Hours
Through Dry: ≤48 Hours

CLEAN-UP

Use suitable solvent for cleaning equipment and tools used for applying **TIKI M6038/6039**.

STORAGE

TIKI M6038/6039 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 Insulations, care should be taken during use and storage of **TIKI M6038/6039** 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 container after use. Do not reuse containers for storage of consumable items. Do not smoke during use.

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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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