

Weather Barrier Mastic

DESCRIPTION

TIKI KCP9/KCP9+ is specialty polymer based weather resistant mastic for heavy duty protection of thermal insulation.

USES

It is used as weather proofing and heavy duty protective coat on thermal insulation in HOT, COLD and DUAL TEMPERATURE SERVICE where the insulation and/or the insulation system forms an adequate vapour barrier prior / after to the application of the **TIKI KCP9/KCP9+**

ADVANTAGES

- It is fire resistant and U.V.stable.
- It protects insulation from chemical attacks of mild acids & alkalis.
- It provides protection to insulation from thermal expansion, and contraction, impact, abrasion, and vibratory forces.
- It forms tough and flexible film that protects insulation from ravages of weather by preventing water, snow, chemical spillages, etc.
- In the wet state, it is non- flammable for worker safety.
- Its thixotropic consistency yields smooth finish on rough substrates.
- It readily fills gaps and imperfections, and is normally applied with a glass fibre reinforcing mesh in two applications.
- Being water based, it contains no harmful solvents that will attack insulation or facing.

PROPERTIES

DENSITY (ASTM D1475)	> 1.35 Kg/Ltr
NON-VOLATILE (ASTM D2369)	54% by volume 66 % by weight
SERVICE TEMPERATURE LIMITS (TSTM 10)	-45°C to 125°C (Temp. at coated surface)
FLASH POINT (ASTM D3278)	No Flash to boiling > 100°C
WATER VAPOUR PERMEANCE (ASTM E96)	>1 perm @ 1.60 mm d.f.t (> 0.65 metric perms)
SURFACE BURNING CHARACTERISTIC (ASTM E84) Class A	
FLAME SPREAD INDEX	5
SMOKE DEVELOPED	40

SURFACE PREPARATION

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

Before applying **TIKI KCP9/KCP9+**, insulation should have vapour barrier property.

APPLICATION INSTRUCTIONS

To obtain proper bonding, dusty and cementitious surfaces should be primed with **TIKI KCP9/KCP9+** mixed with water maximum in 1:1 Ratio by volume (based on required consistency).

TIKI KCP9/KCP9+ shall be applied over insulation in two trowel applications. First application shall be applied @1.0 m²/l. While first coat is still wet, a layer of reinforcing mesh shall be embedded maintaining overlap of 5cm at seams. Second trowel application shall be applied @ 0.50 m²/l. fully covering reinforcing mesh. There shall be no voids or holidays and mastic shall be trowelled to a smooth finish.

All adjoining insulated or un-insulated surfaces must be completely waterproofed and flashed.

When applied over Poly Styrene Board, blisters may occur in coating.

COLOUR

Brownish / White

APPLICATION CONSISTENCY

Trowel, Glove, brush or heavy duty airless spray

COVERAGE RANGE (TSTM 20)

1.55 l/m² @ 1.0 mm d.f.t.

DRYING TIME (ASTM D1640)

Touch Dry <2 Hours
Through Dry <15 Hours

VOC Content

0 gm/l

CLEAN-UP

Use warm soapy water for cleaning tools and equipment used for applying **TIKI KCP9/KCP9+**. Once dried tools can be cleaned with suitable solvent to remove adhered material.

STORAGE

TIKI KCP9/KCP9+ must be stored under covered shed and protected from extremes of temperature. 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 KCP9/KCP9+** 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 children and animals. Reseal containers 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