No.11-1562

TIKI JOINTSEAL

(Manufactured To IS: 1834)

Hot Applied Sealing Compound for Joints in Concrete

Since 1964

DESCRIPTION

TIKI JOINTSEAL is specially formulated durable hot poured bituminous sealing compound for sealing all types of horizontal joints in concrete. It conforms to IS 1834 specification.

Two grades of **TIKI JOINTSEAL** are offered:

a) **TIKI JOINTSEAL 'A'** conforming to IS:1834 Grade A.
b) **TIKI JOINTSEAL 'B'** conforming to IS:1834 Grade B.

USES

TIKI JOINTSEAL is intended for use in sealing joints in concrete roads, runways, bridges and other concrete structures.

TIKI JOINTSEAL 'A' (Non-Fuel Resistant): Used in concrete constructions other than those which are subjected to spillage of kerosene or other petroleum fuels, for sealing joints in concrete roads, pre-cast concrete, floors, water retaining structures and other areas consisting of pre-form gaps between horizontal concrete surfaces.

TIKI JOINTSEAL 'B' (Fuel Resistant): Used in concrete constructions where resistance to kerosene or other petroleum fuel is required, for sealing joints in runways, garages, filling stations, and other areas exposed to fuel spillages.

ADVANTAGES

- Resist expansion and contraction stresses without cracking.
- Good adhesion to concrete and asphalt surfaces.
- Low susceptibility to flow during hot weather condition.
- Resistant to ingress of water and foreign substance.
- Good resiliency even at low temperature.
- Contains no solvents, irritating fumes, obnoxious odors.
- 100% Solid, hence, negligible shrinkage during curing.
- Good resistance to root penetration
- Fuel spillage resistant (Grade 'B')

SURFACE PREPARATION

The joint faces should be thoroughly cleaned to remove loose dust, foreign particles, rust, laitance, oil and other contaminants.

APPLICATION INSTRUCTIONS

Apply **TIKI PRIME S** primer by brush or spray on the vertical faces of the concrete joint to ensure proper adhesion of sealing compound. Care should be taken to see that the primer has sufficiently dried prior to pouring of **TIKI JOINTSEAL** sealing compound into the joint.

TIKI JOINTSEAL sealing compound must be heated before use. It should not be heated directly. The supplied drums of sealing compound should never be placed over direct heat i.e. gas or wood fire.

Cut the drum containing **TIKI JOINTSEAL** in to small pieces before placing in the directly heated separate container. Melt few pieces of **TIKI JOINTSEAL**, then gradually add more pieces to the molten sealant material, stirring continuously. Heat until the compound reaches correct pouring temperature (170º C to 180º C). Only melt enough sealing compound to be poured the same day.

If for any reason bubble (frothing) appears during melting, keep the temperature around 170°C for longer time with slow manual stirring till the bubble disappears. Care should be taken to see that the temperature in the heater is carefully controlled within the recommended pouring temperature.

Do not over heat **TIKI JOINTSEAL** beyond the recommended pouring temperature (170°C to 180°C), as it would result in the degradation of elastic properties of sealing compound. Do not heat **TIKI JOINTSEAL** beyond 200°C, as it will not only destroy the sealant's properties but may also result in a fire / blast.

Use sealing compound as soon as possible after heating, preferably within 30 minutes. Do not allow water to contact hot material, as it will react violently and splatter the hot compound causing severe burns. Do not exceed maximum safe heating temperature (170ºC to 180ºC).

It is preferable to transfer molten sealant material in to the separate can / container and pour with extended spout. When sealing is in process wooden boards should be laid on either side of the joints to prevent erratic flow of the sealing compound.

COVERAGE

Covering capacity estimation guide for joint sealing compound required per 100 meters running in Kg., for 25mm joint depth is as under:

For 12mm width - 40 kg.
For 18mm width - 60 kg.
For 25mm width - 80 kg.

Allowance of 5% should be made during application.

1 litre of **TIKI PRIME S** primer covers approximately 75 to 100 running meters of 25mm joint depth.

CLEAN-UP

Use Solvents for cleaning equipment and tools immediately after applying **TIKI JOINTSEAL**.

PROPERTIES

TECHNICAL DATA	**TIKI JOINTSEAL 'A'** (Conforms to IS:1834 Grade A)	**TIKI JOINTSEAL 'B'** (Conforms to IS:1834 Grade B)	**STANDARD**
Pour point	<180 °C	<180 °C	IS:1834, Appendix A
Flow test	< 5 %	< 5 %	IS :1834, Appendix B
Penetration at 25 °C, 100 gm, 5 sec, 1/10 mm	15 to 50	15 to 50	IS: 1203
Extensibility	>6mm	>6mm	IS :1834, Appendix C
5. Aviation fuel resistance a) Increase in penetration at 25° C, 5sec ,100gm,0.1mm after immersion in aviation fuel b) Change in mass after 7days immersion in aviation fuel	Not Applicable	<15 <1 %	IS: 1834, Appendix D IS: 1834, Appendix E

SUPPLY

TIKI JOINTSEAL is supplied in standard pack sizes of 20 Kg. and 25 Kg. drums.

STORAGE

TIKI JOINTSEAL must be stored above 5°C. Store under the shed & protect from extremes of temperature. Keep container close when not in use.

SHELF LIFE

Shelf life is 12 months when stored as above and in Original Sealed Container. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **TIKI JOINTSEAL** to avoid contact with eyes, mouth, skin and foodstuffs until product fully cured or dried.

Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children, animals and direct sources of high temperatures, naked flame and sparks. Reseal containers after use. Do not reuse containers for storage of consumable item

Note: Properties subject to change as per specific requirement.

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