

TIKI JOINTSEAL



Since 1964

Hot Applied Sealing Compound for Joints in Concrete

No. 11-1562

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:

- TIKI JOINTSEAL 'A'** conforming to IS:1834 Grade A.
- 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')

PROPERTIES

TECHNICAL DATA	TIKI JOINTSEAL 'A'	TIKI JOINTSEAL '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
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

APPLICATION/HEATING 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.

- Heat the sealing compound indirectly only; do not place drums on direct fire (gas/wood).

- Cut material into small pieces before melting in a separate heating container.
- Melt gradually: start with few pieces, then add more with continuous stirring.
- Maintain pouring temperature between 170°C to 180°C.
- Do not overheat beyond 180°C; never exceed 200°C (risk of degradation and fire).
- Melt only the quantity that can be used within the same day.
- If frothing/bubbling occurs, maintain ~170°C and stir slowly until it disappears.
- Use heated material within 30 minutes for best performance.
- Avoid contact with water during heating (risk of splattering and burns).
- Transfer molten material into a separate pouring container with extended spout.
- Place wooden boards along joints during application to control flow.

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**.

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 food stuffs 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.

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 of information given by it.

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

Note: Properties subject to change as per specific requirement.

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