



Since 1964

No. 11-1511/A

TIKI ANTI-STRIPPING AGENT

For Use with Bitumen Binder for Promoting Adhesion

Product Description

TIKI ANTI-STRIPPING AGENT-DS is specially formulated single component anti-stripping additive in paste form, used for bitumen binder as adhesion promoter ensuring better bonding of bitumen binder and improved quality of bituminous mix, thereby increasing the lifespan of bituminous pavements.

TIKI ANTI-STRIPPING AGENT-DS is unique anti-stripping agent based on specialty processed fatty organic amine base, which when added to bitumen binder improves the mixing and compaction of bituminous mix.

TIKI ANTI-STRIPPING AGENT-DS is a lipophilic surfactant, which is insoluble alone in water but dispersible in hot water to form a milky emulsion. It can be solubilized in water, if an organic or mineral acid (formic acid, acetic acid, hydrochloric acid, etc.) is added.

As **TIKI ANTI-STRIPPING AGENT-DS** is supplied in paste form (semi-solid), it is recommended to heat it above its melting point for use as homogeneous liquid.

Technical Specification

S.no.	Test parameters	Requirement
1	Appearance @25°C	Paste
2	Specific Gravity @50°C	>0.80
3	Viscosity @50°C	>10 cst
4	Water Content % by Volume	<1.0
5	Iodine Value	30 to 50g/100g
6	Total Alkalinity	5.5 to 6.5 ml HCL(N) /g
7	Cloud Point	>35°C
8	Solidification Point	<30°C
9	Flash Point	>180°C

Areas of Applications

As **TIKI ANTI-STRIPPING AGENT-DS** is water insoluble, it is added to hot bitumen binder. The modified hot bitumen binder than would be used directly in hot mix applications or are further processed to produce emulsions, cutbacks, formulations etc., for cold mix applications.

TIKI ANTI-STRIPPING AGENT-DS is also used as emulsifier for cationic bitumen emulsions such as rapid setting emulsions for use in surface dressings and tack coat, and medium setting emulsions for use in open graded mixes.

Dosage

Use of 0.25 to 2% of **TIKI ANTI-STRIPPING AGENT-DS** is recommended by weight of Bitumen.

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