

Fosroc Nitomortar TS

Epoxy mortar for transition strip on bridge deck joints

Uses

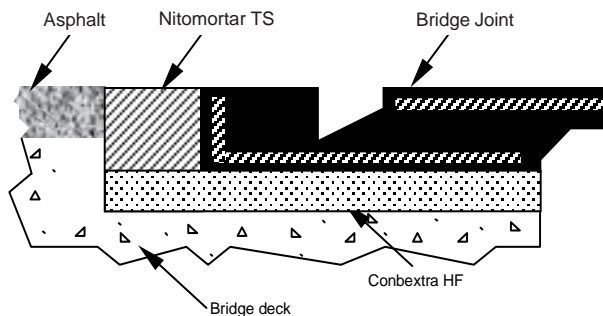
Nitomortar TS is a three-component epoxy-resin based engineering mortar formulated to be used along with different types of bridge deck expansion joint systems where it is designed to form the transition strip between bridge decks and expansion joints.

Advantages

- Excellent application properties.
- No priming is required.
- Fast curing with outstanding adhesion.
- Good mechanical properties with elastic characteristics.
- Hard wearing and abrasion resistant.

Description

Nitomortar TS is a three-component epoxy-resin based engineering mortar formulated to possess good workability and can be casted or trowelled to a fine, accurate surface. Example of bridge deck expansion joint and Nitomortar TS is shown below:



Technical support

Fosroc offers a comprehensive range of high performance, high quality products suitable for use in new construction, repair and protection. In addition, the company offers a technical support package to specifiers, end users and contractors, as well as on-site assistance all over the world.

Properties

Form	:	Three-part compound. Part A, Part B and graded silica filler.
Solids content	:	100%
Density	:	2.13 kg/litre
Colour	:	Black
Pot life	:	45 minutes at 23°C 20 minutes at 35°C
Cure time	:	
Initial cure	:	24 hours at 23°C 10 hours at 35°C
Final cure	:	7 days at 23°C 3 days at 35°C
Adhesion	:	Concrete Excellent Old asphalt Good Steel Good
Service temperature	:	75°C (maximum)
Compressive strength	:	40 N/mm ²
Flexural strength	:	10 N/mm ²
Tensile strength	:	6 N/mm ²

Application instructions

Thoroughly power-mix Base and Hardener in plastic pail and add in fillers. Continue power-mixing until all fillers are uniformly mixed with binder to form a homogeneous mortar consistency. Do not add water or solvent to the mix. Nitomortar TS must not be over mixed as this will reduce working life.

All joints should be clean and free from loose particles. Where maximum adhesion is required, mechanical cleaning is necessary to remove surface laitance, etc.

Immediately after mixing apply Nitomortar TS within its pot life. Do not mix new material with already mixed one. Single application thickness should be between 30 mm to 150 mm and 15m long.

Cleaning

Nitomortar TS should be removed whilst uncured using Fosroc Solvent 102. Hardened material can only be removed mechanically.

Packaging

Nitomortar TS is supplied in 25 Kg packs containing Part A and Part B in separate tins and separate bag for filler.

Fosroc Nitomortar TS

Precautions

Health and safety

Nitomortar TS contains epoxy resin and coal tar which may cause skin sensitisation in certain individuals. Skin contact should be avoided and a suitable barrier cream applied or disposable rubber or plastic gloves worn. Also use eye/face protection. If contact with skin occurs, it must be removed before it hardens followed by washing with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical treatment immediately.

Fire

Nitomortar TS is flammable. Do not smoke during use. Do not use near a naked flame.

Flash point: 35°C

Storage

Shelf life is 12 months in original containers stored in cool dry conditions not exceeding 25°C. Storage at higher temperatures may reduce storage life.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.**

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