مؤسسة خليج المتخصصون للتجارة
Gulf Specialist Trading
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Shanghai Horse Construction Product
Data Sheet - V.1.2-2023-06

HM - TS MORTAR (Transition strip)

HM-TS polyurethane transition strip for rubber expansion joint applications:

HM-TS Solvent free 3 components system ts-mortar for bridge deck joints.

USES

HM - TS MORTAR is a three-part polyurethane mortar. Part A is a low-viscosity clear liquid; Part B is a low-viscosity brown liquid; Part C is an aggregate and special powders. It is design to be use as transition strip for bridge expansion joints and deck joints.

Advantages

- **Easy to apply – Solvent Free**
  - 15 – 20 years durability under heavy traffic.
  - Waterproof bond to concrete, asphalt and steel and all kind of natural rubber and neoprene.
  - Fast curing.
  - Firm and lasting.
  - Hard-wearing and environmentally safe.

Description

HM - TS MORTAR it is a formulated to fill the gaps between deck expansion joints between rubber and asphalt. It is good workability and can be cast or trowelled to a fine accurate surface.

Mixing

Part **B** and Part **A** to be mix together for one to two minutes until to be homogeneous. After that add Part **C** and continue mixing for 3 minutes.

HM - TS MORTAR shall keep in cool Weather and do not add water or any other solvent to the mixture.

NOTE

Must not be over mixed as this will reduce working life.

Apply up to 100mm per layer, Allow proper curing and surface preparation between layers.

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Performance Indexes

The results according to ASTM C1751.

Compressive Strength	1 Day : >4 N/mm^2 7 Day : >14 N/mm^2 28 Day : >30 N/mm^2
Tensile Strength	>3.0 N/mm^2
Bond to Rubber / Concrete	>2.0 N/mm^2
Density	2060.5 kg/m^3
Color	Black
Pot life	40 Minutes at 24°C 20 Minutes at 33°C
Setting time	20 Minutes at 35°C
Cure time	**Initial cure:** 24 Hours @ 23°C 12 Hours @ 30°C **Final cure:** 7 Days @ 23°C 2 Days @ 35°C
Adhesion:	Asphalt Excellent N.Rubber Excellent Steel Good

HM - TS MORTAR has been chemically designed so it bonds strongly with neoprene, or any kind of rubber and metals used in expansion joints, seals, and waterproofing materials.

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Packaging

This product is supplied in around 40.0 kg packs containing Part A, Part B and Part C.
Keep in a dry, covered location (20 - 30 °C), away from direct contact with the ground. Protect Parts A and B from freezing and ensure all components remain sealed in their original packs. Shelf life: up to 24 months (unopened).

Health and safety

The construction workers should take necessary protective measures such as wearing masks, gloves, goggles etc. when handling, mixing and applying HM - TS MORTAR. In case of contact with eyes rinse immediately with plenty of water and seek medical treatment immediately. It must be removed before it hardens followed by washing with soap and water.

Fire safety

Pay attention to fire prevention HM - TS MORTAR is flammable. Do not smoke during use. Do not use or apply near a naked flame.

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For more information, please visit our website at https://www.horseen.com