

Talrak® PEP Adhesive

Polymer modified mineral bonding adhesive for Talrak® Flexeal PEP Membrane



The Construction Alchemists

Description

Talrak® PEP Adhesive is a polymer modified, mineral bonding adhesive dedicated for Talrak® Flexeal PEP waterproofing membrane.

Features & Benefits

- Ready to mix powder, needs only addition of water
- Superior bond strength
- Suitable for mineral substrates
- Excellent adhesion of Talrak® Flexeal PEP Membrane to substrates like concrete, bricks, blocks, stone masonry, terracotta tiles etc.,
- Setting time adjusted for optimum laying work
- Enriched with special additives for non-shrink & non-slip properties
- Tiles can be laid directly on the adhesive when PEP membrane needs protection of flooring tiles

Primary Application

Talrak® PEP Adhesive is used for sandwich Talrak® Flexeal PEP membrane which is developed for waterproofing of mineral substrates from positive side such as bathrooms, kitchens, terrace, toilets, swimming pools, below basements, retaining walls, below rafts, podiums, chejjas or wet areas with a risk of water infiltration etc., where a pavement or covering must be applied.

Technical Properties

Water/powder ratio	0.250 to 0.275
Pot life @30°C	50 - 60 minutes
Fresh wet density	1.7 to 1.9 g/cc
Slip resistance with tiles (IS15477:2019 Annex E)	< 0.5 mm
Adhesion strength with tiles @ 28 days (IS 15477:2019)	>1 MPa

Application Instructions

Surface Preparation

The effective bonding of the PEP membrane with mineral substrate is highly dependent on a sound substrate and proper preparation and profiling of the surface. An improperly prepared surface can result in de-lamination of Talrak® Flexeal PEP before achieving the full bond strength. Substrate should be mechanically cleaned, sound and free from contamination such as oil, grease, laitance and dust. Grit blasting, wire brushing, grinding, water jetting, air blowing etc, are recommended for surface preparation.

Mixing

Mix Talrak® PEP Adhesive in the proportion of 6.25 to 6.875 litres of clean cool water per 25 kg bag. Ensure that the water powder ratio does not exceed 0.275. An electric mixer with low rotation speed (< 500 rpm) can be used. Mix until a uniform lump free paste is obtained. However, the mixing time shall not be less than 3 minutes. Let the paste rest for a few minutes to disappear all the bubbles before starting the application.

Application

The substrate should be in saturated surface dry condition before the application of PEP Adhesive. The bonding between Talrak® Flexeal PEP membrane and the substrate shall be achieved by applying a minimum uniform thickness of 2mm of the mixed Talrak® PEP adhesive as a base layer on the prepared surface. Talrak® Flexeal PEP membrane shall be unrolled over the applied adhesive and pressed using a roller to ensure complete bonding (for further details refer Talrak® Flexeal PEP membrane data sheet). Allow the base layer to set completely. To complete the waterproofing system, repeat the application of Talrak® PEP Adhesive as a top layer on the PEP membrane to achieve a minimum uniform thickness of 2mm. Curing is recommended.

Cleaning

Clean tools and application equipment with water immediately before hardening of the material. Hardened and cured material can be removed by mechanical means.

Estimating

Packaging

Talrak® PEP Adhesive is supplied in 25kg HDPE bags.

Consumption

Approximately 7.2 kg/sqm of Talrak® PEP Adhesive is required for the sandwiched installation of PEP waterproofing system to achieve a total 4mm thick adhesive. However, the coverage will depend upon the substrate condition and thickness of the material used.

Storage

Talrak® PEP Adhesive has a shelf life of 12 months if kept in dry store in original, unopened bags. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety Instructions

The product contains cement powders which, when mixed with water, releases alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

Fire

Talrak® PEP Adhesive is non-flammable.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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Important note :

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