

Talrak® Flexeal AF

Water based fibre reinforced Acrylic Polyurethane hybrid emulsion Waterproofing membrane for roof & building facade



The Construction Alchemists

Description

Talrak® Flexeal AF is a water based single component fiber reinforced, high build liquid applied membrane based on acrylic polyurethane hybrid emulsion. For optimum performance, the membrane shall be built up in two layer application, by brush or roller.

Features & Benefits

- Compatible with all mineral substrates such as, concrete, brickbat coba, fiber cement sheets, terracotta tiles etc.
- When built at high thickness by multiple layer application (min 2 layers), no protective screed is needed.
- Single component - easy to apply.
- UV resistant and breathable hence durable.
- Weather resistant.
- Crack Bridging.
- APEO, NMP, NEP & formaldehyde free.

Primary Application

Talrak® Flexeal AF can be used for roof waterproofing of old and new buildings. It can be applied on the accessible roofs where light foot traffic is expected. It can be applied on the flat and slopped roofs & building facades.

Technical properties

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| Density | 1.35 to 1.45 kg/ltr |
| Elongation at break | 94% |
| Pull off adhesion | 1.21 MPa |
| Solid content | 72 % |
| Resistance to algae growth | Passes, Zero rating |
| UV radiation | No Change |
| Depth of water penetration at 7 bar pressure for 1 hr as per BSEN: 12390(Part 8)-2006 | Nil |
| Tensile strength | 1.26 MPa |
| Water vapour transmission | 6.0g/m ² h |
| Rapid chloride penetration | Very low |

Application Instruction

Surface Preparation

The surface must be clean, sound and fine pored and /or coarse textured. It must be free from bond breaking materials such as grease, wax, laitance, dust, pockets, cracks and ridges.

Use suitable methods such as wire brushing, vacuuming, grinding, milling, shot blasting and water jetting to prepare the substrate dependent on its condition. Any damaged mineral surfaces should be repaired to sound condition with Talrak range of repair mortars - Rendercem®.

Priming

Talrak® Flexeal AF shall be mixed with clean water at 1:1 ratio & applied on the prepared surface using a brush or roller to ensure that all micro pores in the concrete substrate is sealed.

Application

Talrak® Flexeal AF shall be thoroughly stirred before application. The material is applied in 2 coats allowing 3hrs before subsequent coat is applied using a brush. It is also possible to apply with a roller. The fresh coating is water soluble and must be protected from rain until it has fully dried. It is possible to colour Talrak® Flexeal AF, weather and UV resistant pigment pastes which can be supplied on request. The formation of puddles or standing water must be avoided prior to the application of Talrak® Flexeal AF. It is recommended that a minimum of 2 coats shall be applied for optimum performance.

Cleaning

Clean all tools and equipments with clean water immediately after use. Hardened material can only be removed mechanically.

Estimating Packaging

Talrak® Flexeal AF is supplied in 25kg bucket.

Consumption

Theoretical consumption is 0.675 - 0.725 kg/m²/coat (Two coat application is recommended over primer coat). However consumption on a given substrates should be determined by trials.

Storage

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

Precautions

Health & Safety Instructions

Talrak® Flexeal AF is non-toxic but alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Use a dust mask while handling the powder.

Important note :

Talrak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Talrak endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, 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 or information given by it.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

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