

Triton TRISEAL



Liquid applied Damp Proof Membrane and Water Vapour Suppressant

Description

A solvent free, two-part epoxy resin coating primarily for use on screeded or concrete floors subject to rising damp or containing residual construction moisture.

Triton TRISEAL is both a surface damp proof membrane and a water vapour suppressant. Also used under raised access floors, in plant rooms and bunded areas to contain water and mild chemicals.

Properties

- SOLVENT FREE
- LOW ODOUR
- WATERPROOF
- FLEXIBLE and TOUGH
- RESISTANT TO OSMOTIC BLISTERING
- WATER VAPOUR TRANSMISSION RATE LESS THAN 4g/m²/24hr (400 microns Film thickness)

Uses

- DAMP PROOF MEMBRANE: For floors where original d.p.m has failed or is non-existent.
- WATER VAPOUR SUPPRESSANT: For concrete and screeded floors, which need to be covered but still contain construction moisture.

NOTE: Triton TRISEAL is not intended for use where water is under pressure, i.e. "Tanking".



▪ GENERAL PURPOSE COATING

The product is sufficiently tough and flexible for use on surfaces subject to foot and light wheeled traffic.

Technical Data

▪ COMPOSITION

Part 1: Low viscosity epoxy resin, reactive diluents, flow promoters and oxide red pigment.

Part 2: Low viscosity epoxy curing agent and accelerator.

▪ MIX RATIO

2 parts resin to 1-part hardener by weight.

▪ CURING TIME

@ 20°C re-coatable in 6-8hrs

@ 10°C re-coatable in 14-20hrs

Full cure is achieved up to 7 days after application depending on temperature.

▪ COVERAGE

1st coat 3-4m²/kg @ 200-micron film thickness

2nd coat 4-5m²/kg @ 200-micron film thickness

NOTE: The coverage figures given are based on application to a smooth, dense surface. The coverage obtained will vary according to the porosity and texture of the surface to which the **TRISEAL** is being applied.

Moisture vapour suppression is maximised when the total coating thickness is 400 micron or over.

▪ PACK SIZE

5kg and 20kg.

▪ COLOUR

Red Oxide

Specification

NBS: Clause J30 10, 130, M12, 10, 110 Liquid Applied Damp Proofing / Tanking.

Preparation

Surfaces to be coated must be sound, firm, clean and free from dust, grease, oil or other contaminants likely to prevent adhesion.

Liquid water should not be present on the surface, which should look dry – moisture within the substrate is acceptable. If there is a risk of moisture rising to the surface under pressure, another form of damp proofing such as **PLATON** membrane should be used.

Fill holes or deep hollows with Triton Fillet Seal. New concrete subfloors or sand cement screeds must be left for a minimum of 7 days to cure before applying the coating, if necessary lightly shot blast or scarify the floor to remove curing agents, laitance or other undesirable contaminants.

Vacuum clean afterwards to remove dust and debris.

Mixing

Empty the entire contents of the hardener pack (Part 2) in to the resin pack (Part 1) ensuring that the container sides and bottom are scraped thoroughly.

Using a spatula or (preferably) a mixing paddle fixed into a slow speed drill, mix the two components together for at least two minutes. Scrape down the sides of the container and mix again for another minute. Use the mixed product immediately.

NOTE: In cold conditions (5-10°C) the viscosity of the two components will increase, to reduce viscosity and cure time store the product in a warm environment for at least 6 hours before use.

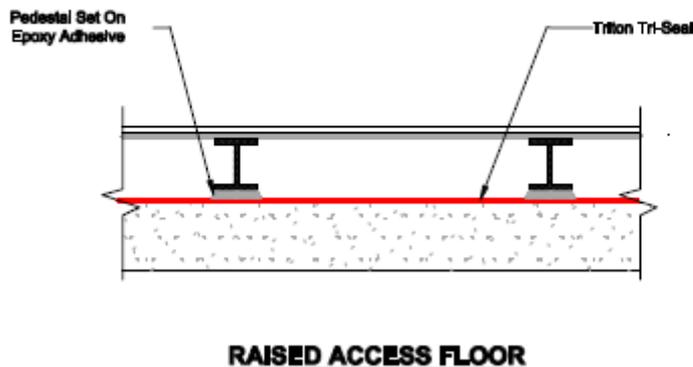
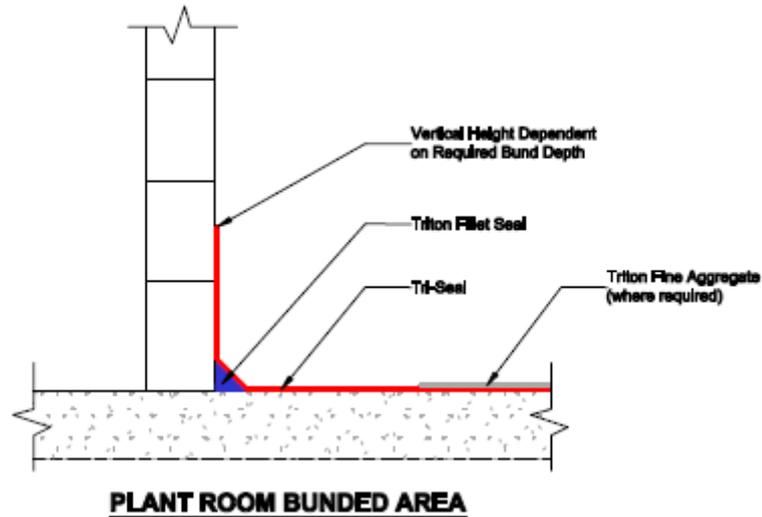
Application

Once thoroughly mixed the product should be poured out onto the floor and spread out as evenly as possible using a brush or medium pile paint roller. Do not overspread the product.

Apply a minimum of two coats to achieve a total film thickness of 400 microns. Re-coat times will vary according to substrate and air temperatures.

Do not apply at temperatures below 5°C or falling towards that temperature. At 20°C the poured out product has a working time of approximately 45 minutes, do not leave the mixed product in the original container, as this will reduce the pot life.

NOTE: To be effective the coating must be free of thin spots or pinholes.



Cleaning

Tools and equipment can be cleaned with **Triton RESIN CLEANER** whilst the coating is uncured.

Curing

Depending on temperature, full strength is achieved in 2-7 days. The maximum allowable time between coats is 48 hours.



Precautions

- Avoid skin contact – See safety data sheets.
- Only mix whole packs, as mix ratios are critical.
- **Triton TRISEAL** will not bridge construction joints or large / mobile cracks.
- Usage at temperatures above 25°C will result in a very short pot life; in such instances keep product cool before use.
- Insufficient mixing of resin and hardener packs together will result in poor performance.

Health & Safety

For full information consult the relevant Material Safety Data Sheet.

For further information, please contact:

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