



# Triton TRISEAL

## Damp Proof Membrane and Water Vapour Suppressant

### Description

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A solvent free, two part epoxy resin coating primarily for use on sand/cement 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.

### Properties

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- SOLVENT FREE
- LOW ODOUR
- WATERPROOF
- FLEXIBLE
- TOUGH
- RESISTANT TO OSMOTIC BLISTERING
- WATER VAPOUR TRANSMISSION RATE LESS THAN 4g/m<sup>2</sup>/24hr (400 micron Film thickness)

### Uses

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- DAMP PROOF MEMBRANE For floors where original d.p.m has failed or is non-existent.
- WATER VAPOUR SUPPRESSANT For concrete and sand / cement 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

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- 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 1<sup>st</sup> coat 3-4m<sup>2</sup>/kg @ 200 micron film thickness  
2<sup>nd</sup> coat 4-5m<sup>2</sup>/kg @ 200 micron film thickness

**NOTE:** The coverage figures given are bases 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
- 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. 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 file thickness of 400 micron. 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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