



## Triton TRIPROOF AQ

### MASONRY WATER REPELLENT CONCENTRATE. DILUTES WITH WATER TO FORM A STABLE SOLUTIONS FOR USE ON MINERAL SUBSTRATES

Triton TRIPROOF AQ is a highly effective water repellent solution based on a blend of Silane and polysiloxane resins.

Triton TRIPROOF AQ is suitable for use over masonry, brickwork, concrete and renders. Superior performance is obtained on alkaline surfaces such as new renders and concrete.

#### Features

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- High alkaline resistance
- Excellent surface penetration
- Vapour permeable
- Colourless
- Dries to a tack-free finish
- UV resistant
- Water thinnable
- Easy removal of overspray

#### Description

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Triton TRIPROOF AQ is supplied as a concentrate for dilution with water before use. For most mineral substrates a dilution ratio of 1:9 is recommended. When treating dense concrete surfaces dilution ratios of 1:2 or 1:3 can be employed to maximise penetration and subsequent deposition of active water repellent. Treatment of surfaces with Triton TRIPROOF AQ reduces water absorption whilst maintaining the appearance of the area treated, also since the product does not block or clog pores and capillaries the vapour permeability of the substrate is maintained. Reducing water absorption prolongs the life of the substrate by reducing the damage caused by water:

##### FROST DAMAGE AND SPALLING

Frost damage occurs when pores and capillaries are more than 90% full of water. The expansion of frozen water exerts pressure into the substrate causing splitting, spalling and general disintegration.

##### SALT EFFLORESCENT

Constant evaporation and wetting with water causes salts to move nearer to the surface causing a white bloom or crystal growth at best or splitting and spalling at worst.

##### BIOLOGICAL GROWTH

Damp surfaces will support the growth of algae, moss, lichen and moulds. These organisms use acids to digest their food, which damages the underlying masonry over time.

##### CHEMICAL CORROSION

Water encourages the corrosion of metal fittings and fixtures, and of particular importance, cavity wall ties.

##### ATMOSPHERIC POLLUTION

Acid rain accelerates the weathering process by dissolving the binding matrix of the substrate.

#### Application

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- Triton TRIPROOF AQ should be applied by a coarse low-pressure spray or by flooding after dilution with water.
- Apply at least two coats, wet on wet, to maximise penetration into the substrate.
- Apply each subsequent coat when the substrate has absorbed the previous one and is no longer shiny wet.
- Surfaces to be treated should be dry.
- The ideal temperatures for application are between +10°C and +25°C.
- Application and dilution rates vary according to the porosity of the substrate to be treated



TRIPROOF AQ	Application rate	Dilution ratio
Concrete	0.25 L/m <sup>2</sup>	1:2 or 1:3
Render	0.5-1 L/m <sup>2</sup>	1:9
Brickwork	0.5-2 L/m <sup>2</sup>	1:9

In all cases it is advisable to conduct a small site trial to determine the most appropriate application rate and dilution ratio.

## Dilution

- Half fill mixing container with water, add **Triton TRIPROOF AQ** and stir.
- Add remaining water and stir thoroughly.
- Use within a week of mixing.

## Specification

NBS Clause J30 10, 130, M60, 18, 170 Liquid applied damp proofing

## General Information

Concentrate	
Density	1.0 g/cm <sup>3</sup>
Shelf Life	At least 6 months
Pack Size	2.5 Litre (makes 25 Litres)

## Related Products

- Triton OH 100 – Stone Strenghtener
- Triproof 290 – Solvent borne repellent solution

## Health & Safety

- See separate Material Safety Data Sheet.

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