



## **TRIPROOF 290**

### **MASONRY WATER REPELLENT SOLUTION FOR GENERAL PURPOSE USAGE AND ON HIGHLY ALKALINE SURFACES (NEW POINTING, RENDERS ETC.)**

**TRIPROOF 290** is a highly effective water repellent solution based on a blend of Silane and Siloxane resins.

TRIPROOF 290 is suitable for use over masonry, brickwork, concrete and renders. Superior performance compared to simple "Silicone" treatments is obtained particularly on alkaline surfaces such as new renders or re-pointed brickwork.

#### **FEATURES**

- Excellent surface penetration
- High alkaline resistance
- Fast development of water repellent effect
- Effective even on damp substrates
- Vapour permeable
- Colourless, does not alter surface appearance
- Dries to a tack-free finish
- UV Resistant

#### **DESCRIPTION**

TRIPROOF 290 is supplied as a ready to use solution of Silane and Siloxane resins dissolved in low odour white spirit. Treatment of surfaces with TRIPROOF 290 reduces water absorption whilst maintaining the appearance of the area treated, 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 the 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 EFFLORESCENCE**

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.

In all the above examples, reduction of water absorption by the use of a water repellent treatment like TRIPROOF 290 will slow down or stop the effect for periods in excess of 10 years (when applied in sufficient quantity). Restoration of some surfaces is even possible using stone strengthening products such as Wacker OH prior to the use of TRIPROOF 290. TRIPROOF 290 conforms to the requirements of BS 6477: 1992 for substrates 1,3 and 4.

## **APPLICATION**

TRIPROOF 290 should be applied by a coarse low pressure spray or flooding. Always apply at least two coats, wet on wet, to maximise penetration into the substrate (up to 30 minutes between coats is acceptable in all but the warmest conditions). Apply each subsequent coat when the substrate has absorbed the previous one and is no longer shiny wet. Application to slightly damp but surface dry looking substrates is acceptable. Application rates vary according to the porosity of the substrate with volumes ranging from 0.5L to 2L per square metre. Typically dense materials such as concrete will require lower volumes than less dense substrates such as brickwork. Site trial applications are useful to help determine the application volumes most suited to the substrate.

Avoid overspray and mask all surfaces not needing treatment. When working from scaffolding use sheeting to reduce wind-borne spray, be aware of vehicles downwind of the worksite. Surfaces inadvertently treated should be cleaned immediately using white spirit. Do not apply to bitumen containing products.

**NOTE:** Cold, damp, atmospheric conditions can cause a white 'bloom' to appear on surfaces shortly after treatment. Avoid applying TRIPROOF 290 when such conditions exist, if in doubt apply the product to a test area or consult our technical department.

## **GENERAL INFORMATION**

Silane/Siloxane content:	6.6%
Flash point	40°C approx.
Shelf life	12 months in unopened containers
Packaging	25 litre drums
Coverage	0.5 - 2.0Litres per square metre

## **RELATED PRODUCTS**

OH 100 - stone strengthener

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