



Silane/Siloxane based hydrophobic impregnant

DESCRIPTION

Protect S 795 is a one component, transparent, penetrating silane/siloxane impregnant. The product reacts chemically with a mineral substrate to form a surface that is repellent to water yet still permeable to water vapour. Protect S 795 protects and preserves the substrate without altering the natural surface texture or colour.

RECOMMENDED USES

Protect S 795 is recommended for weatherproofing exterior building brickwork, concrete, cement rendered concrete blocks, natural or cast stone etc.

FEATURES AND BENEFITS

Economical, Deeply penetrating, Permeable to vapour, Inhibits mould growth, Reduces unsightly staining, One component, easy to apply Easily re-coated, Protects against rain penetration, Inhibits chloride ingress, Reduces risk of efflorescence, Effective on old and new surfaces, Helps preserve natural colour and texture, The Protect S 795 molecules are very small and highly mobile. The relatively slow solvent evaporation rate at 25 °C allows it to enter even the smallest pores. Its water vapour permeability allows the surface to "breathe" naturally. The application of Protect S 795 greatly extends the life and colour retention of brick- work.

APPLICATION

Substrate Condition Surfaces should be dry and free from dirt, grit, dust, grease etc. Application to wet substrate will prevent penetration and result in poor adhesion. Paints, form release agents, curing compounds, moss, laitance, algae, etc. must be removed. Allow at least one month before applying Protect S 795 to new concrete or masonry surfaces. To ensure optimum water repellency for mortar block masonry which has a pitted surface, rub in a colour matching mortar (1 part cement: 2 parts fine sand) modified with Protect P 157 and allow to dry for two days before applying Protect S 795. Repair all cracks and repoint faulty mortar joints prior to application. Mask glass, asphalt, bitumen and oil painted surfaces. Remove splashes promptly with MineralTurpentine.

Mixing and Priming

Not required.

Method of Use

Apply direct from pail - do not dilute. Wear impervious gloves and goggles during application. Apply by brush or low pressure (approx. 40-70k Pa) spray equipment. Flood the surface, don't brush out like paint (causes bubbles or incomplete penetration).



Apply evenly with steady strokes over the entire surface. One coat is normally required if application is liberal and thorough and surface is reasonably non porous.

On very porous material, it may be necessary to apply a second coat or treat porous surfaces with a cement based paint prior to application of Protect S 795.

When applying two coats of Protect S 795, apply wet-on-wet. Do not apply Protect S 795 to concrete surfaces subject to vehicular traffic. If you require to seal areas subject to traffic, please consult your local agel technical representative. Protect S 795 is invisible once dry - take adequate precautions to ensure entire surface is covered if application is interrupted. Protect S 795 is not recommended for application to below ground surfaces subject to hydrostatic pressure. Protect S 795 is NOT a cure for rising damp or "salt damp". Other dampcourse treatments must be employed for this.

TOOLS

For application use a brush or low pressure sprayer. Do not use atomising sprayers. CURING At 25 °C the water repellent properties fully develop in approximately 24 hours.

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ESTIMATING DATA

Coverage depends on absorbency and porosity of the substrate. On normal brickwork, coverage is approximately 5-6 m² per kg. On very porous substrates, consumption may be up to 3 m² per kg, on only slightly absorbent substrates it may reduce to 7 m² per kg per coat. The quantity of material required for the second coat, when required, is approximately half of the quantity required for the first coat.

CLEANING

Tools should be cleaned with mineral turpentine, or white spirit immediately after use.

PACKAGING

Protect S 795 is available in 20 kg pails.

SHELF LIFE

Protect S 795 can be stored in tightly sealed original pails for 24 months, if kept dry and at moderate temperatures. Store away from sources of heat or naked flames. It is important to reseal containers after use to prevent deterioration of the product by evaporation.