

Product Description

Techno Shield WR is supplied as a water-based, colorless Silane Siloxane Silicone repellent solution which can be sprayed or brush applied onto the surface.

Uses

Techno Shield WR is used to provide water repellent surface with improved self cleaning properties on exterior building - brick work, concrete, cement rendering, natural or cast stone. Helps in reducing efflorescence due to soluble salts in brickwork.

Advantages

- Ready to use: Brush or spray applied direct from container
- Versatile: Equally effective on old or new surfaces
- Self-cleaning: Unaffected by salt-laden atmosphere, reduces unsightly staining
- Protects brickwork: Risk of efflorescence is reduced
- Protects concrete: Reduces causes of cracking and crazing in in-situ or precast concrete
- Colourless: Preserves natural colour and texture of created material. Allows surface to breathe

Uses

Techno Shield WR complies with BS 6477-92 Class A and Class B as silane siloxane silicone - based water repellent.

For application on brickwork, concrete, cement rendering, nature or cast stone of predominantly siliceous nature, it complies with BS6477-92 Class A.

For application on sand stone, lime stone, calcium silicate, brickwork, natural or cast stone of predominantly calcareous nature, complies with BS6477-92 Class B.

Properties

Penetration: Techno Shield WR penetrates into concrete for a minimum depth of penetration of 2mm.

Water resistance

Repels rain water and inhibits ingress of surface water provided there is no hydrostatic pressure.

Permeability

Permeability is low to water, salt solution, dust and soot particles. Leaching of soluble salts from brick work, which causes efflorescence, absorption of deicing salts by concrete which causes degradation and absorption of atmospheric dirt by brickwork, concrete and stone are all minimised.

Water vapour release

Techno Shield WR allows building surfaces to breathe naturally.

Application Instructions

Preparation

Surfaces should be dry, although slight dampness is not detrimental. Surface to be treated should be free from oil, grease, loose particles, decayed matter and moss or algae growth. For this, cleaning with Techno TeraClean is recommended. Joints in brickwork should be sound. If not, should be raked and redone with cement/sand mortar using Techno Addplast WL waterproofing compound.

Coating

Apply La Shield WR evenly by spraying or brushing. Ensure an even coat over the entire surface. Porous surface should be well saturated with a two coat application.

Decorating

Decorative coatings can be applied to surfaces previously treated with Techno Shield WR. Water based cement or emulsion paints should not be applied on coated areas. They can be applied before coating the surface with Techno Shield WR coating.