

ContecSeal WR100

Silane-Siloxane Water Repellant

Description

ContecSeal WR100 is a solventless water repellent, based on a mixture of silane and siloxane.

ContecSeal WR100 serves as high quality, general-purpose water repellents for hydrophobic impregnating and priming mineral surfaces. Mineral substrates treated with ContecSeal WR100 are especially characterized by an excellent beading effect.

Properties

Density	1.0 kg/L
Flash point (ASTM D-3278)	>100°C
Water absorption (ASTM C-624)	95% reduction vs. untreated
Early water beading	Excellent within 1 hour

Coverage

Coverage for coat: 1L/2-5m² "According to the porosity of the surface"

Advantages

- Good depth of penetration
- Rapid development of water repellency
- Highly durable
- Provides good adhesion for paints

Application

ContecSeal WR100 is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone, light weight concrete, and mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads.

ContecSeal WR100 may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

Method of Use

Processing as a Hydrophobic Impregnating Agent:

Apply the ready-to-use ContecSeal WR100 in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. If it starts to rain, stop treatment and cover the impregnated areas.

Processing as a Concrete Admixture (Water Resisting Admixture):

The recommended admixture dose is 1.0 % to 5.0 % of the cement content. A significant reduction in water uptake can already be achieved at a concentration of 1.0 % of the cement. ContecSeal WR100 is added either simultaneously with or immediately after the mixing water – it should never be added along

with other additives. To keep a constant W/C value the total mixing water is reduced by amount required earlier for dilution. We recommend testing compatibility with other concrete admixtures separately. A longer mixing time will thoroughly distribute the product within the overall system, which in turn will make it highly effective.

Packaging

ContecSeal WR100 is supplied in 5,20, 200, 1000 liters sealed containers.

Shelf Life

ContecSeal WR100 has shelf life of 12 months from date of manufacture at proper conditions.

Safety Precautions

ContecSeal WR100 is not flammable under normal conditions of storage and use. ContecSeal WR100 is unlikely to be a health hazard providing skin contact is avoided. Protect the eyes from splashes by wearing goggles if splashed, wash with clean water, and consult a doctor.

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