

CRES® PROTECT REP 100

Water based masonry water repellent

CRES® PROTECT REP 100 is a ready to use surface water sealer based on a mixture of silane/siloxane polymer, Itserve as high quality, general purpose water repellents for hydrophobic impregnating and priming mineralsurfaces. Mineral surfaces treated with **CRES® PROTECT REP 100** are especially characterized by an excellentbeading effect. Once applied **CRES® PROTECT REP 100** is absorbed by capillary action and is turned into a hydrophobic siloxane by moisture.

ADVANTAGES

- Water based & Good depth of penetration.
- Tack free drying & Allows masonry to breath.
- Highly durable and effective beading effect.
- Protects surface from decoloration.
- Reduces efflorescence & Stable in storage, even when diluted.
- Water repellency in 24 hours & Suitable for exposed aggregate cement products.

USES

It is used for many absorbent mineral substrates such as bricks, sand-lime brick, natural sandstone and mineral plasters.

It is ideal for in plant impregnation of building materials made of clay, aerated concrete, sand-lime, brick, fibrous cement, mineral fibres and light weight aggregate.

SURFACE PREPARATION

All surfaces must be clean, sound, frost free and dry (maximum depth of penetration is achieved when substrates are dry with no damp patches).

Any existing coatings, surfaces treatments, accumulated pollutants, dust, dirt, oil and efflorescence must be removed. A substrate clogged with dirt or oil will not permit proper sealer penetration. Best results obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.



TECHNICAL PROPERTIES

Description	Value	Standard
Color	Milky white	-
Specific gravity @25 °C	1.0 (±0.02)	
Flash point	N/A	
pH @ 25 °C	8.0 to 9.0	
Over coating	Wet on wet for the porous substrate	

All values given are subject to 5-10% tolerance.

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APPLICATION

It is a single component, applied at full strength and never diluted. Can be used directly from the container, no mixing is required but stir first before use. Apply by brush, roller or low-pressure spray. On vertical surfaces, It should be flooded starting at the bottom working steadily upward. When used as a protective impregnation & for porous substrate, a minimum of two coat application is recommended. Thus, apply the second coat is wet on wet.

COVERAGE

Consumption depends on the absorption of the substrate and type of substrate which is ranges from 2 to 6.0 m²/l/coat.

RECOMMENDATION

For all substrates and especially natural stones, it is strongly recommended to carry out a sample trial on site. Not suitable for immersed surface.

LIMITATION

- It is not intended to seal visible cracks from moisture ingress.
- Cannot be overcoated with either cement or lime wash based paints.
- Not recommended for exterior applications if rain is excepted within 24 hours.
- Not intended for waterproofing under hydrostatic pressure, in permanent contact with water or for below ground waterproofing.
- Minimum age of concrete or mortar: at least 4 weeks.

CLEANING

Clean tools, equipment, and over spray with soap and warm water.

PACKING

200 liter drum and 20 liter jerry can.

STORAGE

The drums & cans must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as goggles should be worn. Treat any splashes to the skins or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Material	Performance
Concrete	Excellent
Cellular concrete	Excellent
Brick and sand lime brick	Excellent
Natural stone	Variable
Mineral plaster	Excellent

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.