

Keminject WB

Water-Based Water Repellent / Innovative Silicone Resin

Description	Keminject WB is an aqueous solution of Innovative silicone resin and is used in diluted form for impregnation mineral construction materials to make them water-repellent. Keminject WB develops its water-repellent properties by reaction with atmospheric carbon dioxide (CO₂). The active substance formed from the silicone masonry water repellent is poly-methyl-silicic acid. As with all silicones, however, Keminject WB can cause a white deposit on the surface of colored construction materials.
Where to use	• Low-fired clay products immediately after they have been made: e. g. roof tiles, facing bricks, floor tiles, and flower pots. • Aerated concrete. • Gypsum and gypsum-based plaster boards. • Light fillers, such as perlite, vermiculites, and aerated concrete granules. • Insulating materials.
Advantages	• Provides an invisible water-repellent surface. • Reduces efflorescence and surface salts. • Acts as a damp-proof course. • Fungus growth resistance. • Allows substrate to breathe. • Absorbent resistance prevents dusting. • Reduces cleaning costs
Properties	
Appearance	Clear to hazy, color less
Solid substance content	Approx. 54%
Active substance content	Approx. 34%
K ₂ O equivalent	Approx. 20%
Solvent	Water
Density at 25 °C	1.4 g/cm ³
PH	Approx. 13
Flash Point	Non Flammable
Surface Preparation	• Drill the holes at a minimum height of 15cm. above ground level. • Remove coatings, pebble-dashing, plaster etc., or paint up to a minimum of 30-40 cm. above holes and leave to dry for 3 to 4 weeks. • Plaster coating must be removed up to a minimum of 3 cm. above all visibly damp areas. • Where the earth has been covered on the inside by wood or parquet flooring. Take care that the injections are made below this level. • Where, after treatment, the wall is banked up, this must first be carefully treated with Kemseal cementitious coating. • Drilling the holes: Preferably make the holes 10-12 mm diameter, horizontally or up to an angle of 30° • Normally the drilling is done into the brick (and not into the joints). Where the stone is very hard (e.g. granite) the injection can be done through the two adjacent joints. • The distance between the holes should be a maximum of 12.5 cm. The following alternatives are available

Mixing & Application	• Keminject WB: Water 1:9 by volume • Where a loss of pressure is noticed in a hole, plug it immediately and drill a new hole 10 mm. holes are drilled to predetermined depths along the selected course. • Two holes are drilled in each stretcher and one in each header at a maximum spacing of 125 mm. if a brick course proves too dense to allow adequate penetration of fluid, drilling may be carried out in the two adjacent horizontal mortar courses at the same spacing. • Walls 115 mm. thick are injected from one side only solid walls of 230 mm. are normally injection from both sides. • If access is restricted, they can be drilled and injected from one side by a series of injections at increasing depths. • Cavity walls are normally treated from both sides, but, if the thicknesses of individual leaves permit it, injection from one side, at increasing depth, is conducted. Additional Information: • The pressure must be approx. 100 p.s.i. (700 k Pa or 7 atmospheres). • Injection until complete saturation point is reached or until all the surface appears damp • Leave for a minimum of 14 days before plugging the holes using a Waterplug
Packaging	20 Kg Pails.
Theoretical coverage	2- 3 Kg/10 cm thick/1 Lm
Shelf life & Storage	• Shelf life of 2 years when stored in cool, dry place in unopened drums. • Agitate or stir the bucket or drum before using.
Cleaning	Use water to clean application equipment and tools, immediately following use.
Health and Safety	• Confined area must be well ventilated and no naked flamed allowed. Contact with the skin should be avoided as certain sensitive skins may be attached by contact with the resin occurs, the skin should be washed immediately with soap and water-not solvent. • Use goggles- gloves and a breathing mask when applying. • Eye splashes to be washed with plenty of water. • If ingested seek medical advice.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.