

Kleer G/WB

Water-Based Water Repellent / Damp-Proof Course

Description	Kleer G/WB an aqueous solution of innovative Silicone Resin and is used in diluted form for impregnation mineral construction materials to make them water-repellent. Kleer G/WB develops its water-repellent properties by reaction with atmospheric carbon dioxide (CO ₂). The active substance formed from the silicone masonry water repellent is polymethylsilicic acid. As with all siliconates, however; Kleer G/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, flower pots aerated concrete • Concrete and natural stones • Gypsum and gypsum-based plasterboards • 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 • leaving a clear natural finish that will completely repel water	
Properties		
Appearance	Clear to hazy, colorless	
Volume solid	Approximately 17%	ISO 3233
Density @ 25 °C	1 g/cm ³	
PH	Approximately 13	
Flash Point	Non flammable	
Water permeability	0.137 Kg/m ² .h ^{0.5}	EN 1062-3
UV resistance @ 60 °C 50 hours	No cracks – ΔE ≈ 1.2	ASTM G154
Surface Preparation	• Surfaces to be treated must be free of all traces of dirt and organic matter • Gaps and cracks must be repaired • Salt encrustations must be cleaned using mild acid • Repair cracks and joints with Kemrepair, Kemjoint C	
Mixing	Kleer G / WB is supplied in ready to use form that requires vigorous stirring before use	
Application	Use a low-pressure spray, achieving a total surface saturation	
Cleaning	Use water to clean application equipment and tools, immediately following use	
Theoretical Coverage	0.2 – 0.25 Kg /m ² for dense concrete 1 – 2 Kg /m ² for porous bricks	
Packaging	5 & 20 Kg Pails	
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	

Health and Safety	• Confined area must be well ventilated and no naked flames allowed • Contact with the skin should be avoided as certain sensitive skins may be affected 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, then and 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 a proper handling of our products.