

# Kleer G/WB

Water-Based Water Repellent / Damp-Proof Course

<b>Description</b>	<p><b>Kleer G/WB</b> an aqueous solution of innovative Siliconate resin and is used in diluted form for impregnation mineral construction materials to make them water-repellent. <b>Kleer G/WB</b> develops its water-repellent properties by reaction with atmospheric carbon dioxide (CO<sub>2</sub>). The active substance formed from the silicone masonry water repellent is polymethylsilicic acid. As with all siliconates, however, <b>Kleer G/WB</b> can cause a white deposit on the surface of colored construction materials.</p>
<b>Where to use</b>	<ul style="list-style-type: none"> <li>• Low-fired clay products immediately after they have been made: e. g. roof tiles, facing bricks, floor tiles, flower pots Aerated concrete.</li> <li>• Gypsum and gypsum-based plasterboards.</li> <li>• Light fillers, such as perlite, vermiculites and aerated concrete granules.</li> <li>• Insulating materials</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Provides an invisible water repellent surface.</li> <li>• Reduces efflorescence and surface salts.</li> <li>• Acts as a damp-proof course.</li> <li>• Fungus growth resistance.</li> <li>• Allows substrate to breathe.</li> <li>• Absorbent resistance prevents dusting.</li> <li>• Reduces cleaning costs.</li> </ul>
<b>Properties</b>	
Appearance	clear to hazy, colorless.
Solid substance content	Approximately 54%
Active substance content	Approximately 34%
Solvent	Water
Density @ 25 °C	1.4 g/cm <sup>3</sup>
PH	Approximately 13
Flash Point	non flammable
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Repair cracks and joints with <b>Kemrepair</b>, <b>Kemjoint C</b></li> </ul>
<b>Mixing</b>	Stir well before use.
<b>Application</b>	Use a low-pressure spray, achieving total saturation with a minimum of 2 coats, applied sequentially.
<b>Cleaning</b>	Use water to clean application equipment and tools, immediately following use.
<b>Theoretical Coverage</b>	0.5 Kg /m <sup>2</sup> for dense concrete. 1 - 3 Kg /m <sup>2</sup> for porous bricks
<b>Packaging</b>	5 & 20 Kg Pails.
<b>Shelf life &amp; Storage</b>	Shelf life of 2 years when stored in cool, dry place in unopened drums. Agitate or stir the bucket or drum before using.
<b>Health and Safety</b>	<ul style="list-style-type: none"> <li>• Confined area must be well ventilated and no naked flames allowed. Contact with the skin should be avoided as certain sensitive skins may be irritated by contact with the resin occurs, the skin should be washed immediately with soap and water-not solvent.</li> <li>• Use goggles- gloves and a breathing mask when applying.</li> <li>• Eye splashes to be washed with plenty of water.</li> <li>• If ingested seek medical advice.</li> </ul>

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**Additional Information**

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