



RAKAM


TECHNICAL DATA SHEET

104 - RAK GROUT

Latex Modified Cementitious Tile Grout for Joints 0-4 mm Wide



RAK GROUT is a fine colored latex modified powder composed of cement, quartz, synthetic resins and waterproofing additives which when mixed with water, gives a smooth, easily applied grouting mortar with high mechanical resistance and compensated shrinkage. RAK GROUT is produced in a variety range of colors which match all types of tiles.

ADVANTAGES	INSTRUCTIONS FOR USE																							
<ul style="list-style-type: none"> • Ideal for internal and external floors and walls joints. • Crack free, non-shrinkage grout with high abrasion, compression and flexural strength • Wide range of color selection • Suitable for joints width from 0 to 4 mm • Water resistant • Formulated to suit Middle East conditions 	<p>Surface Preparation Make sure that the tile adhesive is totally set before applying RAK GROUT. The joints must be clean, free of dust. Clean the joints between tiles and brush before grouting.</p>	<ul style="list-style-type: none"> • During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use a cool water • The product should not be exposed to moving water during application • Apply RAK GROUT when the joint is totally dry • In case of very high absorbent tiles or high temperature, dampen the joints with clean water • It is recommended to grout the joints after 24 hours of tile fixing. Since temperature and humidity conditions affect the final curing, it is advisable to allow extended periods of cure when temperatures are low and /or relative humidity is below 70% 																						
	<p>MIXING Measure 3.0 – 3.5 Liters of cold, potable water in the mixing bucket and add slowly 10 kg bag of RAK GROUT under</p>																							
	<p>APPLICATION After mixing, let the material rest for about 10 minutes, then remix and spread using a rubber grout float.</p> <p>Let the product set for about 20 minutes and then clean with a damp sponge. After the complete hardening, clean all the surface of the tile with a dry cloth.</p>																							
<p>USES</p> <p>RAK GROUT can be used for sealing up to 4 mm joint width ceramic tiles, clinker, quarry tile, mosaics, etc. It is suitable for floors and walls joints internally and externally, including kitchens and bathrooms.</p> <p>To obtain high resistant characteristics (heavy traffic) or high waterproofing resistance (swimming pools), it is recommended to mix RAK GROUT with instead of water.</p>		<p>ORDERING GUIDE</p> <p>PRODUCT NO. 104 STANDARDS BS : 5980 PACKAGING 10 kg Bags COLOR Standard: White / Grey Colors available on request</p>																						
<p>TECHNICAL PROPERTIES</p> <table border="1"> <thead> <tr> <th>Properties</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Density at 25°C</td> <td>1.9 kg/L</td> </tr> <tr> <td>VOC</td> <td>2.47g/L</td> </tr> <tr> <td>Workable time at 25° C</td> <td>45 minutes</td> </tr> <tr> <td>Compressive strength (ANSI 118.7)</td> <td>>25.0 N / mm²</td> </tr> <tr> <td>Flexural strength (ANSI 118.7)</td> <td>5 N / mm²</td> </tr> <tr> <td>Adhesion strength</td> <td>1.8 N / mm²</td> </tr> <tr> <td>Linear shrinkage (ANSI 118.7)</td> <td>< 2.5 mm / m</td> </tr> <tr> <td>Tensile strength (ANSI 118.6)</td> <td>2.5 N / mm²</td> </tr> <tr> <td>Water absorption</td> <td>< 10g</td> </tr> <tr> <td>Noxiousity CEE 88/379</td> <td>No</td> </tr> </tbody> </table> <p>All values are subject to 5-10 % tolerance</p>	Properties	Result	Density at 25°C	1.9 kg/L	VOC	2.47g/L	Workable time at 25° C	45 minutes	Compressive strength (ANSI 118.7)	>25.0 N / mm ²	Flexural strength (ANSI 118.7)	5 N / mm ²	Adhesion strength	1.8 N / mm ²	Linear shrinkage (ANSI 118.7)	< 2.5 mm / m	Tensile strength (ANSI 118.6)	2.5 N / mm ²	Water absorption	< 10g	Noxiousity CEE 88/379	No		<p>STORAGE</p> <p>Store in a dry covered place in original well closed packaging. Shelf life is 12 months if stored as recommended</p>
Properties	Result																							
Density at 25°C	1.9 kg/L																							
VOC	2.47g/L																							
Workable time at 25° C	45 minutes																							
Compressive strength (ANSI 118.7)	>25.0 N / mm ²																							
Flexural strength (ANSI 118.7)	5 N / mm ²																							
Adhesion strength	1.8 N / mm ²																							
Linear shrinkage (ANSI 118.7)	< 2.5 mm / m																							
Tensile strength (ANSI 118.6)	2.5 N / mm ²																							
Water absorption	< 10g																							
Noxiousity CEE 88/379	No																							
	<p>CLEANING</p> <p>All used tools should be cleaned with water before the product cures.</p>	<p>STORAGE</p> <p>RAK GROUT can be harmful to skin as it contains cement powders which may releases alkalis when mixed with water. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water. If ingested, obtain medical attention immediately. Do not induce vomiting</p>																						
	<p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • Do not apply RAK GROUT in rainy weather, high winds and sand storms • Do not apply on surface that has temperature less than 5°C 																							