

TECHNICAL DATA SHEET



RAKAM



207 - RAK EPOXY TILE GROUT

(Epoxy Tile Grout)

RAK EPOXY TILE GROUT is a high performance epoxy 3 part system grout for grouting pavements, ceramic and acid resistant tiles, in medium and heavy duty corrosive and hygienic environments.

PRIMARY USES	TYPICAL APPLICATIONS	PACKAGING										
<p>RAK Epoxy Grout is an ideal material to grout wherever a high degree of chemical resistance and excellent mechanical properties are required.</p>	<ul style="list-style-type: none"> • Food production: meat, fish, vegetable and fruit processing, canning areas, dairies and bakeries. • Industrial kitchens and catering facilities. • Electrical substations and plant rooms. • Laboratories • Swimming pools and leisure facilities • Heavy duty workshops, garages and services facilities • Bottling plants and breweries 	<p>Available in 5 kg pack 3 part system.</p>										
ADVANTAGES	APPLICATION	MIXING										
<ul style="list-style-type: none"> • Non absorbent, easy to clean and hygienic in service. • Excellent resistance to a wide range of chemicals and acids. • Impermeable: resistant to staining and absorption when permanently immersed in water. • Will not support bacterial growth in kitchens, swimming pools etc. • Non-tainting and non toxic: can be used in most areas where drink and foodstuffs are processed • Excellent adhesion to most commonly encountered building substrates and materials • Excellent proven performance • Suitable for vertical and horizontal applications in interior and exterior locations. 	<p>APPLICATION</p> <p>Prior to application RAK Epoxy Grout should be stored under cover and protected from extremes of temperatures which may cause inconsistent workability and cure times for the mixed material. Ideally at least 24 hours before mixing, RAK Epoxy Grout should be maintained in approximately 20°C. During application in cold conditions, correct conditioning can help but application should be halted if the ambient temperature is likely to fall below 10°C. Consideration should be given to the substrate or base slab as it is likely to be considerably colder than the surrounding temperature. When temperatures exceed 30°C during application working times may be reduced by as much as 50%.</p>	<p>MIXING</p> <p>RAK Epoxy Grout is of a heavy consistency and should be mechanically mixed. Using a slow speed electric drill with a paddle attachment, pour the reactor (Part B) into the base tin (Part A) and mix for approximately 2 minutes or until a uniform consistency and color is obtained. Pour the mixed resin into a forced action mixer (such as MIXAL) and slowly add the filler (Part C) mixing until a lump free uniform consistency is achieved.</p> <p>In most applications the full contents of each component pack should be mixed together. Apply RAK Epoxy Grout to the spaces between tiles with proper plastic spatula ensuring the joints & edges are completely filled and compacted.</p> <p>Following the grouting operation use a fibrous pad or wet soft cloth to clean off the excess material. This should take place within 15 minutes and care should be exercised not to use excess water to come into contact with the wet grout. Surplus material must be removed from the face of the tiles before it sets.</p>										
TYPICAL PROPERTIES		<p>CURING</p> <p>Good curing is essential for resin based materials to ensure specified performance. A minimum temperature of 10°C should be maintained during the curing period by the use of additional heating is necessary. Installations using RAK Epoxy grout systems can be opened to foot traffic after approximately 24 hours at 25°C. Complete cure is achieved after 72 hours at 25°C</p>										
<table border="0"> <tr> <td>Color</td> <td>White / Grey</td> </tr> <tr> <td>Pot life</td> <td>60 mins at 25°C 45 mins at 35°C</td> </tr> <tr> <td>Compressive strength (BS 6319 Part 2)</td> <td>80 N/mm²</td> </tr> <tr> <td>Flexural strength (BS 6319 Part 3)</td> <td>25 N/mm²</td> </tr> <tr> <td>Tensile strength (BS 6319 Part 7)</td> <td>15 N/mm²</td> </tr> <tr> <td>Max Service temp.</td> <td>60°C</td> </tr> </table>			Color	White / Grey	Pot life	60 mins at 25°C 45 mins at 35°C	Compressive strength (BS 6319 Part 2)	80 N/mm ²	Flexural strength (BS 6319 Part 3)	25 N/mm ²	Tensile strength (BS 6319 Part 7)	15 N/mm ²
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CHEMICAL RESISTANCE	STANDARD											
<p>Excellent resistance to most aqueous systems including sewage, urine, salt water, dilute acids, battery acids, alkalis, oils and fats.</p>	<p>BS-63 Pt2 (1983)</p>											



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STORAGE	COVERAGE	HEALTH AND SAFETY
<p>Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. Shelf life is 12 months in unopened containers stored as above.</p>	<p>Coverage rates are dependent on the specified tile or paviour dimensions. Approximately 3-4 m²/kg. All calculated usages assume constant thickness on a regular substrate. Failure to achieve the required surface will lead to additional material being used.</p>	<p>As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the product be accidentally swallowed, do not induce vomiting but call for medical assistance immediately. Ensure the container is available for the medical attendant. to examine any relevant instructions and contents details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling.</p>
ORDERING GUIDE PRODUCT NO. 207 STANDARDS BS 6319 Pt 2, 3, 7 PACKAGING 5 kg Set COLOR White / Grey Colors Available on Request		

