

TECHNICAL DATA SHEET



RAKAM



505

RAK FILLER

(Cementitious Powder For Interior / Exterior Crack Repairs)

RAK FILLER Filler is a chemically modified cementitious powder designed for filling cracks up to 3mm for internal and external areas which develops early strength and excellent bonding.

USES	SURFACE PREPARATION	TECHNICAL SERVICE																																												
For repairing of cracks in the concrete surfaces of Concrete Walls, Industrial Floors, Ramps, Masonry Brick Works and Mortar plasters.	Surface must be sound, clean and free from dirt, oil and all contaminants. Concrete must be hacked back until a sound concrete surface is obtained. The surface of concrete to receive RAK Filler must be roughened to increase the bond of the mortar to concrete. The prepared concrete surface must be damped with clean water before application	RAKAM will be pleased to offer full Technical support on specific application																																												
ADVANTAGES <ul style="list-style-type: none"> • Interior & Exterior crack repairs • High compressive and bond strength • Free from corrosion • Superior workability • Non-Shrink • High Fluidity characteristic • Ready to use & economical 	APPLICATION <p>It is recommended to mix a full 1.5 kg bag of RAK Filler with clean water. Place approximately 0.13 Liter of water into mixer. Slowly add RAK Filler while stirring continuously with slow speed electric drill (Rev. 300-600 rpm) or plastic mix. The mixed material can be applied vertically or horizontally to fill the cracks, pores and voids. For vertical application use a wet mix in order to prevent sagging.</p>	STORAGE <p>Minimum one year in original packing if stored in a cool and dry place.</p>																																												
		HEALTH AND SAFETY <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>																																												
TYPICAL PROPERTIES <table border="0"> <tr> <td>Specific Gravity</td> <td>1.78</td> </tr> <tr> <td>Colour</td> <td>White Powder</td> </tr> <tr> <td>Max. part size</td> <td>100 Microns</td> </tr> <tr> <td>Open time (premix time) @30°C</td> <td></td> </tr> <tr> <td>Pot Life @ 30°C</td> <td>40 - 45 Mins</td> </tr> <tr> <td>Compressive Strength</td> <td></td> </tr> <tr> <td>1 Day</td> <td>3000 psi</td> </tr> <tr> <td>7 Days</td> <td>4500 psi</td> </tr> <tr> <td>28 Days</td> <td>600 psi</td> </tr> <tr> <td>Recommended Thickness up to 3 mm thick</td> <td></td> </tr> <tr> <td>Initial Surface Absorption</td> <td></td> </tr> <tr> <td>10 Min</td> <td><0.02 ml.sec/m2</td> </tr> <tr> <td>30 Min</td> <td><0.01 ml.sec/m2</td> </tr> <tr> <td>60 Min</td> <td><0.02 ml.sec/m2</td> </tr> <tr> <td>Slant Shear Bond</td> <td></td> </tr> <tr> <td>1st Day</td> <td>14 N/mm2</td> </tr> <tr> <td>Thermal Co-efficient</td> <td>N/A</td> </tr> <tr> <td>CONFIRMS TO</td> <td>ASTM C-109 & BS 63191</td> </tr> </table>	Specific Gravity	1.78	Colour	White Powder	Max. part size	100 Microns	Open time (premix time) @30°C		Pot Life @ 30°C	40 - 45 Mins	Compressive Strength		1 Day	3000 psi	7 Days	4500 psi	28 Days	600 psi	Recommended Thickness up to 3 mm thick		Initial Surface Absorption		10 Min	<0.02 ml.sec/m2	30 Min	<0.01 ml.sec/m2	60 Min	<0.02 ml.sec/m2	Slant Shear Bond		1st Day	14 N/mm2	Thermal Co-efficient	N/A	CONFIRMS TO	ASTM C-109 & BS 63191		ORDERING GUIDE <table border="0"> <tr> <td>PRODUCT NO.</td> <td>505</td> </tr> <tr> <td>STANDARDS</td> <td>ASTM C - 109 BS6319 - 1</td> </tr> <tr> <td>PACKAGING</td> <td>1.5 kg x10 per carton</td> </tr> <tr> <td>COLOR</td> <td>White</td> </tr> </table>	PRODUCT NO.	505	STANDARDS	ASTM C - 109 BS6319 - 1	PACKAGING	1.5 kg x10 per carton	COLOR	White
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