



مصنع رأس الخيمة

للمواد اللاصقة والعازلة ركام ش.ذ.م.م

RAS AL KHAIMAH
ADHESIVE & WATERPROOF MATERIALS FACTORY RAKAM LLC



TECHNICAL CATALOGUE



FLOORING
& TILING



WATER
PROOFING



BONDING
AGENTS



SEALANTS
& REPAIR
MORTARS



SPECIALITY
PRODUCTS



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		STORAGE																																				
<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	HEALTH AND SAFETY																																				
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	<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>	<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>
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																													
PRODUCT NO.	505																																					
STANDARDS	ASTM C - 109 BS6319 - 1																																					
PACKAGING	1.5 kg x10 per carton																																					
COLOR	White																																					
COVERAGE																																						
2.5 kg /m2 3mm thick on flat surface																																						





RAKAM



P.O. BOX 11005, RAS AL KHAIMAH - U.A.E

+9717 266 8383 +9717 266 8853

sales@rakam.ae www.rakam.ae



مصنع رأس الخيمة

للمواد اللاصقة والعازلة ركام ش ذ م م

RAS AL KHAIMAH
ADHESIVE & WATERPROOF MATERIALS FACTORY RAKAM LLC



FLOORING & TILING

WATER PROOFING

BONDING AGENTS

SEALANTS & MORTARS

SPECIALITY PRODUCTS