



# مصنع رأس الخيمة

للمواد اللاصقة والعازلة راكم ش.ذ.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**



## 404 RAK PLASTER 200

Cementitious Dry Ready Mix Plaster

**RAK PLASTER 200** is a z. It is specially formulated for exterior and interior plastering work to give a hard, smooth, and better shrinkage control base coat. Due to its high content of additives and the use of precisely graded fillers, a homogeneous, good adhesion, and high workability is obtained when mixed with water.

ADVANTAGES	INSTRUCTIONS FOR USE	APPLICATION																		
<ul style="list-style-type: none"> <li>• Fast mixing application using spray machine</li> <li>• Factory controlled pre-blend ensures consistent high quality</li> <li>• Requires only addition of water on site at the time of usage</li> <li>• Strong adhesion on variety of substrate</li> <li>• Shrinkage controlled, reduces surface cracks</li> <li>• Mineral based non-hazardous</li> <li>• VOC compliant</li> </ul>	<p><b>Surface Preparation</b> The substrate should be free of loose particles, dust, dirt, grease, oil or paint. Absorbent and porous substrates should be moistened with water prior the application of RAK PLASTER 200.</p> <p>In case of non absorbent surfaces, a spatter dash slurry coat RUSH COAT or RUSH COAT SPX (in case of AAC Block surface) should be applied as a key coat to improve adhesion and high bonding with the substrate.</p> <p>In case of surface contains microsilica, RUSH COAT SPX spatter dash slurry should be applied to improve adhesion with the substrate.</p> <p>Concrete or block substrates should have been allowed to cure sufficiently. All shrinkage movements should taken place before applying RAK PLASTER 200.</p> <p>Do not apply RAK PLASTER 200 on surface exposed to movement, vibration or mechanical impacts.</p> <p>Saturate the surface with water and wait for the evaporation of excess water before applying the mix.</p>	<p>Apply RAK PLASTER 200 on the surface manually with a plastering trowel or by using a spraying machine in a single layer (up to 20mm).</p> <p>When the plaster has "set", smooth finishing can be achieved with a wooden or foam float. The Float should be moistened during the smoothing operation.</p> <p>If more thickness is required, the application should be done in two layers. In the first layer, apply RAK PLASTER 200 in a thickness of 10-15mm, a rough texture is to be obtained to provide mechanical Key for the second layer. The second layer should be applied at least 48 hours after the first layer. Within this period cure the plaster with clean water. Apply the second layer at a thickness of up to 20mm.</p> <p>If applying with spray machine, RAK PLASTER 200 mix should not be allowed to stand unused in the machine for longer than 30 minutes.</p> <p>In order to ensure proper curing, it is advisable to keep the plastered surface moist and protected from sun and wind during the first 48 hours.</p>																		
<p><b>USES</b></p> <p>RAK PLASTER 200 is recommended for plastering on block walls, ceilings, bricks and concrete surfaces, it should not be used on painted surfaces.</p>	<p><b>MIXING</b></p> <p>RAK PLASTER 200 should be mixed with clean water to obtain a homogeneous mixture free from lumps. One 50 Kg. bag of RAK PLASTER 200 should be mixed with about 6.5 - 8 Liters of clean water. The mixture remains workable for 1 hour after mixing (at 25°C). Let the mix set for 5 minutes, then remix before application.</p>																			
<p><b>TECHNICAL PROPERTIES</b></p> <table border="1"> <thead> <tr> <th>Properties</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Appearance</td> <td>grey powder</td> </tr> <tr> <td>Dry density</td> <td>1.65 kg/L</td> </tr> <tr> <td>VOC</td> <td>4.59g/L</td> </tr> <tr> <td>Grain size</td> <td>0 – 2.5 mm</td> </tr> <tr> <td>Adhesion to surface</td> <td>&gt;0.35 N / mm<sup>2</sup></td> </tr> <tr> <td>Compressive strength at 28 days (ASTM C579)</td> <td>10 N / mm<sup>2</sup></td> </tr> <tr> <td>Flexural strength at 28 days (ANSI 118.7)</td> <td>2.0 N / mm<sup>2</sup></td> </tr> <tr> <td>Chloride Content (BS 812)</td> <td>0.052%</td> </tr> </tbody> </table> <p>All values are subject to 5-10 % tolerance.</p>	Properties	Result	Appearance	grey powder	Dry density	1.65 kg/L	VOC	4.59g/L	Grain size	0 – 2.5 mm	Adhesion to surface	>0.35 N / mm <sup>2</sup>	Compressive strength at 28 days (ASTM C579)	10 N / mm <sup>2</sup>	Flexural strength at 28 days (ANSI 118.7)	2.0 N / mm <sup>2</sup>	Chloride Content (BS 812)	0.052%		
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CLEANING	CONSUMPTION	HEALTH & SAFETY
Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed	Approximately 16-17 kg per m <sup>2</sup> for 10 mm thickness.	RAK PLASTER 200 is a cement based product. Avoid contact with eyes or skin.
<b>RECOMMENDATIONS</b> <ul style="list-style-type: none"> <li>No further water should be added to the mix. Hard and set plaster should not be re-mixed or used</li> <li>Do not apply RAK PLASTER 200 onto gypsum, metallic and wooden supports</li> <li>During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use cold water</li> <li>The applied plaster has to be water cured for a period of 3 days</li> <li>Before applying any kind of stucco finish, paint, or wall paper the plaster has to be allowed to dry out completely</li> <li>Should not be applied on floors or on painted surfaces</li> </ul>	<b>PACKAGING</b> RAK PLASTER 200 is supplied in 50kg multilayered bags.	During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.
	<b>STORAGE</b> Store in dry covered place in the original closed bags. In these conditions, the product shelf life is 12 months from the date of production.	In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
	<b>APPLICABLE STANDARDS</b> <ul style="list-style-type: none"> <li>BS 5262,5492</li> <li>ASTM C 387</li> </ul>	In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
		If ingested, obtain medical attention immediately. Do not induce vomiting.





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HIGH  
QUALITY



FAST  
DELIVERY



BEST  
PRICES

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