



RAKAM

TECHNICAL DATA SHEET

201 - RAK PROOF

(Acrylic Waterproof)



RAK PROOF is a specially formulated single pack, high quality, elastomeric waterproof coating. It has outstanding durability, resistance to weathering and a very high degree of flexibility.

ADVANTAGES	CHARACTERISTICS																																	
<ul style="list-style-type: none"> One component; ready to apply direct from the can. Liquid application means details are simplified and there are no joints in the membrane Highly elastic, cures to give a permanently flexible resilient barrier over a wide range of temperatures. Rapid installation; significantly reduces time spent on preparatory works and detailing. Excellent adhesion can be applied to a wide range of substrates. Continuous adhesion prevents lateral migration of water Impervious-outstanding barrier properties ensure protection against corrosive soil conditions. Excellent resistance to oxidation and embrittlement Mechanical damage to the membrane can be easily repaired by spot application. 	<table border="0"> <tr> <td>Density</td> <td>1.25 g/cc</td> </tr> <tr> <td>pH</td> <td>885</td> </tr> <tr> <td>Solid content</td> <td>60 + 2% by weight</td> </tr> <tr> <td>Elongation at break</td> <td>400%</td> </tr> <tr> <td>Color</td> <td>White</td> </tr> <tr> <td>Toxicity</td> <td>Non Toxic</td> </tr> <tr> <td>Tack free time @30°C</td> <td>8 hours</td> </tr> <tr> <td>Time to full cure @30°C</td> <td>48 hours @ 1.3mm thickness</td> </tr> <tr> <td>Typical cured membrane properties (at 28 days)</td> <td>400</td> </tr> <tr> <td>Elongation</td> <td></td> </tr> <tr> <td>Tensile Strength (ASTM D4541)</td> <td>1.5 N/mm2</td> </tr> <tr> <td>Recovery from 200% elongation (ASTM D412)</td> <td>95%</td> </tr> <tr> <td>Tear resistance (ASTM D624)</td> <td>14N</td> </tr> <tr> <td>Permeability @ 5 bar pressure 7th Day</td> <td>NIL</td> </tr> <tr> <td>Artificial weathering</td> <td>No loss of flexibility after 4000 hours exposure</td> </tr> <tr> <td>Service temperature (continuous ambient)</td> <td>-40°C to 70°C</td> </tr> </table>	Density	1.25 g/cc	pH	885	Solid content	60 + 2% by weight	Elongation at break	400%	Color	White	Toxicity	Non Toxic	Tack free time @30°C	8 hours	Time to full cure @30°C	48 hours @ 1.3mm thickness	Typical cured membrane properties (at 28 days)	400	Elongation		Tensile Strength (ASTM D4541)	1.5 N/mm2	Recovery from 200% elongation (ASTM D412)	95%	Tear resistance (ASTM D624)	14N	Permeability @ 5 bar pressure 7th Day	NIL	Artificial weathering	No loss of flexibility after 4000 hours exposure	Service temperature (continuous ambient)	-40°C to 70°C	
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		SHELF LIFE																																
		Must be protected between 5°C and 30°C. 12 months in unopened airtight containers.																																
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		Clean all tools with water after use																																
		HEALTH AND SAFETY																																
		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 labeling.																																
USES	APPLICATION																																	
<ul style="list-style-type: none"> To be used in most types of roofs, such as concrete, metal, asbestos, etc. Ideal for waterproofing of car park decks and exposed surfaces in water prone systems such as foundations, basements, tunnels, ground floors, suspended floors, car decks, roof terraces, balconies, patios, bridges, inspection pits, sewage works, inverted roofs, bathrooms, kitchen, toilets etc. Recommended as a protective membrane for P.U. installation. 	<p>The support must be clean, free of dust, dirt, oil, grease and loose particles. When applying on metal surfaces, remove rust and contamination for best results. Apply with brush, roller or an appropriate spray. Apply a primer the coat of RAK Proof (80% RAK Proof + 20% water) with brush, roller or spray.</p> <p>Once the primer coat has completely dried, apply a minimum two coats of undiluted RAK Proof. It is important to ensure that coat has totally cured (i.e. minimum 8 hours at 30°C) before applying the next coat. For better results, a glass fibre mat is reinforced into the first coat while it is wet, at expansion areas and joints with parapets.</p>																																	
COVERAGE																																		
1 kg/m ² per coat, approximately (depending on the support and the means of application)																																		