



**RAKAM**


# TECHNICAL DATA SHEET

## 304 RAK BOND-PVA

(PVA Bonding Agent)



**RAK BOND-PVA** is a polyvinyl acetate latex emulsion used as a surface sealer, bonding agent, admixture for cement and mortar.

USES	APPLICATION	SURFACE SEALER										
<p>Adhesive:</p> <p>RAK Bond-PVA bonds with almost all building material except PVC, rubber and polyethylene. It can be used to bond plaster board, ceramic tiles, marble, glass, bricks, wood, leather etc. when added with suitable filler.</p>	<p>For uneven surfaces, or gaps to be filled, RAK Bond-PVA is diluted with equal amount of water to obtain a paste with plaster, cement or with fine sand and the paste is applied. This paste can be applied as an adhesive for plaster boards, polystyrene tiles, etc. to ceiling and walls. If the bonding surface is more porous, add 3 times the amount of water to RAK Bond-PVA and prime the surface. As a bonding agent for screeds, plaster and rendering, the surface should be sound and free from all unwanted materials, such as oil, grease, paint, etc. Sealing of the surface is done with 1 part RAK Bond-PVA with 3 parts of water. Then apply the bonding coat (1:1) and render, screed or plaster normally. The same method is used to bond new concrete to old. As an admixture, RAK Bond-PVA gives a crack free, thin floor screed. For normal to heavy duty flooring 20-30 kg/100 kg cement is recommended.</p>	<p>RAK Bond-PVA can be used as a surface sealer for concrete and floors to minimize the dusting and penetration of unwanted oils. It can be used as an effective primer prior to certain decorative coatings.</p>										
<p><b>TYPICAL PROPERTIES</b></p> <table border="1"> <tr> <td>Appearance</td> <td>White, non-toxic, highly viscous PVA based liquid</td> </tr> <tr> <td>Solid</td> <td>34%</td> </tr> <tr> <td>pH</td> <td>4-5</td> </tr> <tr> <td>Minimum Film Forming temperature</td> <td>3.6°C</td> </tr> <tr> <td>Specific Gravity</td> <td>1.1</td> </tr> </table>	Appearance	White, non-toxic, highly viscous PVA based liquid	Solid	34%	pH	4-5	Minimum Film Forming temperature	3.6°C	Specific Gravity	1.1		<p><b>CURING</b></p> <p>Curing occurs within 3 - 7 days. Points to be noted: RAK Bond-PVA is not recommended where permanent dampness occurs. Do not use below 5°C Over trowelling is to be avoided Always follow the mixing ratio and instructions.</p>
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<p><b>BONDING AGENT</b></p> <p>This gives mortars, especially topping mortars very good resistance. The wear resistance of screed treated with RAK Bond-PVA is excellent compared to a conventional screed with common mortar. The topping will be dust free, wear proof, water, oil and grease proof.</p>		<p><b>ORDERING GUIDE</b></p> <table border="1"> <tr> <td>PRODUCT NO.</td> <td>304</td> </tr> <tr> <td>STANDARDS</td> <td>BS-5270</td> </tr> <tr> <td>PACKAGING</td> <td>5 / 20 / 200 kg Packs</td> </tr> <tr> <td>COLOR</td> <td>White</td> </tr> </table>	PRODUCT NO.	304	STANDARDS	BS-5270	PACKAGING	5 / 20 / 200 kg Packs	COLOR	White		
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<p><b>BONDING NEW CONCRETE TO OLD</b></p> <p>Ensure that the substrate is stable, sound thoroughly clean and free from oil, grease and any loosely adhering material. Apply a sealing coat of RAK Bond-PVA diluted with 4 parts of clean water and allow to dry. Apply a bonding coat of RAK Bond-PVA diluted with an equal volume of water and lay the new concrete while this coat is still tacky. For maximum bond strength, add 5kg of RAK Bond-PVA per 100kg of cement.</p>	<p><b>ADMIXTURE</b></p> <p>RAK Bond-PVA has a plasticizing effect which improves mortar application, increases the mechanical strength of screeds, reduces shrinkage and has perfect adhesion even on smooth</p> <p><b>STORAGE</b></p> <p>Up to 12 months in manufacturer's sealed containers stored in a cool, dry place away from high temperatures.</p>	<p><b>HEALTH AND SAFETY</b></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>										