



RAKAM

TECHNICAL DATA SHEET

516 RAK EPOXY FLOOR PAINT

(High Performance Epoxy Floor Paint)



RAK EPOXY FLOOR PAINT provides a hard wearing, easily cleaned, attractive floor coating.

| USES | DESCRIPTION | MAINTENANCE | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-------|----------|-------|-------|----------------|---------|---------|--------------------|----------|----------|------------------|--------|--------|-----------|--------|--------|------------------------------|----------------------|--|--|--|
| <p>It is suitable for use in production assembly areas, workshops, dairies, soft drinks production and bottling plants, kitchens, showrooms, car parking, stairways etc. It is particularly suitable in wet working areas and where chemical spillage is likely, e.g. Plating shops, processing plants, dyeworks etc. It can also be used as a decorative final coating and sealer for epoxy floor screeds to provide a more decorative and easily cleaned surface.</p> | <p>RAK Epoxy Floor Paint is a two-component solvent free, epoxy resin coating system supplied in pre-weighed packs ready for on-site mixing and use. The cured film forms a hard coating with excellent adhesion to clean concrete, sand/cement and granolithic screeds, and certain metal surfaces.</p> | <p>The service life of a floor can be considerably extended by good housekeeping practices. Regular cleaning of RAK Epoxy Floor Paint may be carried out with a water miscible cleaning agent or by hot water washing at temperatures up to 50°C.</p> | | | | | | | | | | | | | | | | | | | | | |
| <p>ADVANTAGES</p> <ul style="list-style-type: none"> • Hard wearing-durable, low maintenance costs • Hygienic-impervious finish provides easily cleaned surface • Attractive-available in a range of colors to improve the working environment | <p>DESIGN CRITERIA</p> <p>RAK Epoxy Floor Paint is designed for application in two coats to achieve an approximate total dry film thickness of 400 microns. Substrates should be dry and not suffer, or be likely to suffer, from rising damp. If necessary, suitable damp-proof membranes should be installed to prevent this. Substrates should not have a relative humidity greater than 75% at the time of installation.</p> | <p>NEW CONCRETE FLOORS</p> <p>The floor should be at least 28 days old. Dry removal of laitance by light grit-blasting is preferable but, where this is not feasible, treat with RAK Clean, followed by thorough rinsing with water and complete drying. Dust and other debris should then be removed by vacuum brush.</p> | | | | | | | | | | | | | | | | | | | | | |
| <p>STANDARDS COMPLIANCE</p> <p>RAK Epoxy Floor Paint has been tested according to BS 4247, part 1</p> | <p>APPLICATION</p> <p>It is essential that RAK Epoxy Floor Paint is applied to sound, clean; dry substrates in order to achieve maximum adhesion between the floor coating and substrate. Because RAK Epoxy Floor Paint is a relatively thin coating, the substrate must be fine textured. Any surface irregularities may show through causing excessive wear on high spots and changing the perceived color of the coating.</p> | <p>OLD CONCRETE FLOORS</p> <p>A sound, clean substrate is essential to achieve maximum adhesion. Light grit blasting or acid cleaning should be carried out as for new concrete floors. Oil and grease penetration should be removed by hot compressed air treatment.</p> | | | | | | | | | | | | | | | | | | | | | |
| <p>TYPICAL PROPERTIES</p> <p>The values given above are average figures achieved in laboratory tests at 20°C and 35°C. Actual values obtained on site may show minor variations from those quoted.</p> <table border="1"> <thead> <tr> <th></th> <th>@ 20°C</th> <th>@35°C</th> </tr> </thead> <tbody> <tr> <td>Pot Life</td> <td>2 hrs</td> <td>1 hrs</td> </tr> <tr> <td>Tack Free Time</td> <td>4-6 hrs</td> <td>2-4 hrs</td> </tr> <tr> <td>Time between Coats</td> <td>6-24 hrs</td> <td>4-16 hrs</td> </tr> <tr> <td>Initial Hardness</td> <td>24 hrs</td> <td>18 hrs</td> </tr> <tr> <td>Full Cure</td> <td>7 Days</td> <td>5 Days</td> </tr> <tr> <td>Dry Film Thickness (2 Coats)</td> <td colspan="2">400 microns (approx)</td> </tr> </tbody> </table> | | @ 20°C | @35°C | Pot Life | 2 hrs | 1 hrs | Tack Free Time | 4-6 hrs | 2-4 hrs | Time between Coats | 6-24 hrs | 4-16 hrs | Initial Hardness | 24 hrs | 18 hrs | Full Cure | 7 Days | 5 Days | Dry Film Thickness (2 Coats) | 400 microns (approx) | | | <p>MIXING</p> <p>The individual components of RAK Epoxy Floor Paint should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured in to the base container and the two materials mixed thoroughly for at least 3-4 minutes. The use of a heavy-duty slow speed, flameproof or air driven drill fitted with a mixing paddle is desirable.</p> |
| | @ 20°C | @35°C | | | | | | | | | | | | | | | | | | | | | |
| Pot Life | 2 hrs | 1 hrs | | | | | | | | | | | | | | | | | | | | | |
| Tack Free Time | 4-6 hrs | 2-4 hrs | | | | | | | | | | | | | | | | | | | | | |
| Time between Coats | 6-24 hrs | 4-16 hrs | | | | | | | | | | | | | | | | | | | | | |
| Initial Hardness | 24 hrs | 18 hrs | | | | | | | | | | | | | | | | | | | | | |
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| Dry Film Thickness (2 Coats) | 400 microns (approx) | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>COVERAGE</p> <p>Depends on the substrate and means of application.</p> | | | | | | | | | | | | | | | | | | | | | |

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| COATING | PACKAGING | HEALTH AND SAFETY |
|--|--|--|
| <p>The mixed RAK Epoxy Floor Paint should be applied to the prepared surface using a brush or short haired roller. Ensure that the area is completely coated and that bonding of the material does not occur.</p> <p>The second coat may be applied as soon as the first coat has initially dried (typically 12 to 18 hours) The time will depend on the type of surface and the ambient conditions.</p> | <p>RAK Epoxy Floor Paint: 5 kg set Diluent-Light Thinner Colors</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> |
| <p>CLEANING</p> <p>RAK Epoxy Floor Paint should be removed from tools and equipment with solvent immediately after use. Hardened material can only be removed mechanically.</p> | <p>SHELF LIFE</p> <p>RAK Epoxy Floor Paint has a shelf life of 12 months if kept in a dry store between 5°C and 30°C in the original, unopened packs.</p> | |

