

## RAK Floor 100 Primer

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### Product description

RAK Floor 100 Primer is a two component, cycloaliphatic amine cured, solvent free primer specially designed for masonry surfaces. It has very good hardness, adhesion, fast drying properties and abrasion resistant properties. It has excellent penetration and sealing properties. Provides excellent adhesion to subsequent RAK Floor Top Coats.

### Typical use

Recommended as a high build primer for Ware house, Garages, Workshops, Production areas, car park areas. Also recommended for cold stores, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars.

### Finish

White and limited colours.

For Clear Finish, Kindly refer RAK Floor 100 Primer Clear TDS.

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### Product data

Property	Description
Gloss level (GU 60 °)	Semi-Gloss
Solids by Volume	74 ± 2 %
Density	1.45 kg/l
VOC-EU	225 g/l

The provided data is typical for factory produced products for white only, subject to variation depending on colour and finish.

All data is valid for mixed paint.

Gloss description: According to RAK Performance Coatings' definition.

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### Film thickness per coat

#### Typical recommended specification range

Dry film thickness	100	-	150	µm
Wet film thickness	135	-	203	µm
Theoretical spreading rate	7.4	-	4.9	m <sup>2</sup> /l

### Surface preparation

New Construction: Concrete floors, to be coated should be allowed to cure for at least 28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content must be less than 5%.

Existing substrate: All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage-surface should be repaired and allow to dry prior to priming.

RAK Paints LLC, PO Box: 86012, Tel: +971-7-2444036, Fax: +971-7-2446110, Ras Al Khaimah, UAE. [www.rakpaints.com](http://www.rakpaints.com)

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### Application

#### Application methods

The product can be applied by

Brush : Use for corners and areas difficult to paint with roller

Roller : can be used, but care should be taken to achieve specified DFT.

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#### Product mixing

RAK Floor 100 Primer Base – 3 Parts

RAK Floor 100 Primer Hardener – 1 Parts

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#### Thinner/Cleaning solvent

Thinner / Cleaner: RAK Poxy Thinner

Spray / Brush: Ready to use.

Apply this product only if relative humidity is less than 85% and substrate temperature is minimum 10° C & above 3° C of the dew point

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### Drying and Curing time

Surface Dry	45 Minutes
Tack free	5 Hours
Full Cure	7 Days
Recoating Time (Minimum)	8 Hours

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, 30° C temperature and at average of the DFT range for the product.

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#### Pot Life

30 Minutes

### Product Application System

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact RAK Paint for specific system recommendation.

Previous coat: RAK Floor Sealer, RAK Floor 100 Primer

Topcoat: RAK Floor 1200SL Topcoat, RAK Floor 1000 Topcoat, RAK Floor PU Topcoat

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### Packaging (typical)

RAK Floor 100 Primer                      3.6L & 20L

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### Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

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### Shelf life at 30 °C

RAK Floor 100 Primer                      12 Months

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

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### Health and safety

During paint application, it is advisable to wear suitable protective guards (PPE). In case of accidental contact with eyes rinse immediately with plenty of water and seek medical advice. In case of inhalation- remove to fresh air, loosen collar and keep patient rested. Get medical treatment. For remove splashes from skin, use soap and water or approved skin cleanser. Flammable material always keeps away from sources of ignition and do not smoke. Ensure sufficient ventilation during application and drying. Do not breathe vapour/spray. Keep container tightly closed and keep out of reach of children. In case of fire - use foam, carbon dioxide or dry chemicals. For more information, refer MSDS.

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### Disclaimer

The data provided in this sheet is given to the best of our knowledge and based on laboratory testing and practical experience. We cannot guarantee anything but the product since the conditions and methods during application vary. We reserve the right to change the given data without prior notice. The product data sheet supersedes those previously issued.

For more information, contact your local RAK Paints Representative, go to [www.rakpaints.com](http://www.rakpaints.com) or call +971-7-2444036.