

## RAK Floor 1000 Topcoat

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### Product description

RAK Floor 1000 Topcoat is a two component, High Solids, cycloaliphatic amine cured, anticorrosive, high molecular weight, High gloss, premium quality epoxy topcoat. It has very good hardness, adhesion, fast drying and chemical & abrasion resistant properties. It is highly recommended for concrete floors along with primer as a basecoat.

### Typical use

Recommended for a wide range of concrete floors with various levels of mechanical and chemical exposure. Specially designed for industrial floors, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars.

### Finish

As per RAK Shade Card

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### Product data

Property	Description
Gloss level (GU 60 °)	Matt
Solids by Volume	78 ± 2 %
Flash point	26°C
Density	1.53 kg/l
VOC-EU	180 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.

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	80	-	120	µm
Wet film thickness	98	-	197	µm
Theoretical spreading rate	6	-	4	m <sup>2</sup> /l

### Surface preparation

Surface should be clean from all dust, rust, wax, oil, grease, loose particles, flakes and other contaminants. Remove all wax, oil and grease by solvent cleaning as per instruction given by SSPC-SP1. Surface profile for Carbon steel is recommended to be as per Sa 2½ (ISO 8501-1) and for Stainless steel surface profile shall be sharp and angular after removing polish through non-metallic abrasive media blasting. After abrasive blast cleaning, remove dust from the

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surface. Recommended surface profile is 25 microns and it should not exceed 40 microns. Surface to recoat should be cleaned thoroughly before application.

### Application

#### Application methods

The product can be applied by

Roller : Recommended

Spray : Use Air or Airless Spray

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

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#### Product mixing

RAK Floor 1000 Topcoat Base – 9 Parts

RAK Floor 1000 topcoat Hardener – 1 Parts

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#### Thinner/Cleaning solvent

Thinner: RAKPoxy Thinner

Spray / Brush : 5-10% thinner is recommended as per need.

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#### Guiding data for Airless spray

Nozzle tip Size (Inch/1000) : 15 - 19

Pressure at nozzle (minimum): 2100 psi

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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 90 Minutes

Tack free 8 Hours

Full Cure 7 Days

Recoating Time (Minimum) 10 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

4 Hours at 30° C

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### 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 Poxy Primers, RAK Poxy Mastic, RAK Poxy MIO, RAK Poxy Silicate

Topcoat: RAK Poxy Topcoat

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### Packaging (typical)

RAK Floor 1000 Topcoat                      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 1000 Topcoat                      12 Months

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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.