

RAK Floor 1200 SL Topcoat

Product description

A high performance, three-pack, solvent free, epoxy based self-levelling floor coating system specially recommended for floors where thickness of 0.5mm - 5mm is required. It has excellent impact resistance, chemical resistance, abrasion resistance and durability. Can be used as a final coating on RAK Floor Screed Coat. This coating has excellent adhesion to primed concrete, mortar, masonry, screed and other limited types of surfaces.

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

Product data

Property	Description
Gloss level (GU 60 °)	Glossy (Above 80)
Solids by Volume	95 ± 2 %
Flash point	100°C
Density	1.18 kg/l
VOC-EU	60 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.

Film thickness per coat

Typical recommended specification range

Dry film thickness	200	-	400	µm
Wet film thickness	210	-	420	µm
Theoretical spreading rate	4.8	-	2.4	m ² /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.

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Application

Application methods

The product can be applied by

Steel Trowel / Height adjustable Steel Spreader: Recommended

Roller: Recommended

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

Product mixing

A. With Aggregates

RAK Floor 1200 SL Topcoat Base – 3.4 Parts

RAK Floor 1200 SL Topcoat Hardener – 1.4 Parts

RAK Floor 1200 SL Topcoat Aggregates – 5.2 Parts

B. Without Aggregates

RAK Floor 1200 SL Topcoat Base – 7 Parts

RAK Floor 1200 SL Topcoat Hardener – 3 Parts

Thinner/Cleaning solvent

Thinner / Cleaner: RAK Poxy Thinner

Spray / Brush: Ready to use.

Guiding data for Application

A. With Aggregates

1. With Trowel application: Mix the base and hardener well before adding aggregates. Use a slow speed drill and mixing paddle. Pour the full contents of the mixed material onto the floor immediately after mixing is completed. No part mixing recommended. It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles & to remove trowel marks.
2. With Roller Application: Mix the base and hardener well, apply a first coat. Aggregates should be evenly spread over the wet coat. Once first coat is dried for recoat, apply second coat.

B. Without Aggregates

1. With Trowel application: Mix the base and hardener well. Use a slow speed drill and mixing paddle. Pour the full contents of the mixed material onto the floor immediately after mixing is completed. No part mixing recommended. It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles & to remove trowel marks.
2. With Roller Application: Mix the base and hardener well, apply.

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

Drying and Curing time

Surface Dry	30 Minutes	Full Cure	7 Days
Tack free	6 Hours	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

60 Minutes at 30° C

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 Primer

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

Packaging (typical)

- | | |
|-------------------------------|----------------|
| 1. With Aggregates: | |
| RAK Floor 1200 SL Topcoat | 3.5 Kg & 20 Kg |
| 2. Without Aggregates: | |
| RAK Floor 1200 SL Topcoat | 3.6 L & 20 L |
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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.

Shelf life at 30 °C

RAK Floor 1200 SL Topcoat 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.

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.

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 or call +971-7-2444036.

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