

## RAK Floor PU Topcoat

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### Product description

This is a two component, chemically cured aliphatic acrylic high build polyurethane topcoat. Can be used interior & exterior masonry surfaces. Product has fast drying time, excellent adhesion, brilliant high gloss finish & gloss retention, non-yellowing, Good chemical, abrasion & impact resistance, smooth and UV resistant durable finish.

### Typical use

Specially formulated for different range of floor substrates where good chemical and mechanical resistant is desired and substrate is exposed to direct sunlight. This product is recommended as a topcoat in parking areas, Kids play grounds, industrial floors, pedestrian pathways, ramps and traffic decks.

### Finish

As per RAK Paint Shade Card.

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### Product data

Property	Description
Gloss level (GU 60 °)	80 -- 95 (Glossy)
Solids by Volume	60 ± 2 %
Flash point	28°C
Density	1.25 kg/l
VOC-EU	420 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	50	-	80	µm
Wet film thickness	83	-	133	µm
Theoretical spreading rate	12	-	7.5	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.

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### Application

#### Application methods

The product can be applied by

Spray : Use Air or Airless Spray

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 PU Topcoat Base – 4 Parts

RAK Floor PU Topcoat Hardener – 1 Parts

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#### Thinner/Cleaning solvent

Thinner: RAK PU Thinner

Spray / Brush : 5-20% thinner is recommended as per need.

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#### Guiding data for Airless spray

Nozzle tip Size : 0.15 – 0.025 inch

Pressure at nozzle (minimum): 2000 psi

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	30 Minutes
Tack free	5 Hours
Full Cure	24 -- 36 Hours
Recoating Time (Minimum)	4 Hours

Drying and curing times are determined as per RAK Paints test method manual 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 and below 85% humidity

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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 Floor 100 Primer, RAK Floor 100 Primer Clear, RAK Floor 150SF Primer

Topcoat : RAK Floor PU Topcoat – 2<sup>nd</sup> Coat

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### Packaging (typical)

RAK Floor PU 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 PU Topcoat                      24 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.

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