

## RAK Thane PU Topcoat

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### Product description

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

### Typical use

Recommended on all metal surfaces, concrete and wood.

### 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	57 ± 2 %
Flash point	26°C
Density	1.25 kg/l
VOC-EU	428 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	88	-	140	µm
Theoretical spreading rate	11.4	-	7.1	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. After abrasive blast cleaning, remove dust from the surface. Recommended surface profile is 25 microns and it should not exceed 40 microns. Surface to recoat should be cleaned thoroughly before application.

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

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 Thane PU Topcoat Base – 4 Parts

RAK Thane 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)	5 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 Thane PU Primer, RAK Poxy Primers, RAK Poxy Tiecoat, RAK Poxy MIO

Topcoat : RAK Thane PU Topcoat – 2 Coat

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### Packaging (typical)

RAK Thane 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 Thane 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.