

## RAK Woodtech PU Opaque Matt 10%

---

### Product description

RAK Woodtech PU Opaque Matt 10% is a polyurethane pigmented matt topcoat based on tailored polyester resin. It's a two component finish with excellent covering properties, high opacity, rich matt finish. It provides a smooth, tough, durable finish with fast drying properties. Additionally, it offers good U.V. resistance; resistant to weathering and resistance to household chemicals.

### Typical use

Highly recommended for industrial and house furniture such as beds, cabinets, tables, chairs, sofas, doors and frames turned pieces and likes.

### Colours

As per RAK Shade Card

---

### Product data

| Property              | Description |
|-----------------------|-------------|
| Gloss level (GU 60 °) | Matt        |
| Solids by Volume      | 40 ± 2%     |
| Flash point           | 25 °C       |
| Density               | 1.11 kg/l   |
| VOC-EU                | 488 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         | 30   | - | 50  | µm                |
| Wet film thickness         | 79   | - | 132 | µm                |
| Theoretical spreading rate | 12.6 | - | 7.6 | m <sup>2</sup> /l |

Values mentioned above are based on theoretical calculations only, practical coverage may be differing due to type of substrate, atmosphere conditions, air flow, type of gun and thickness of the film coating.

### Surface preparation

Clean / Sand wood surface (New or previously coated) initially with emery paper No. 180 and later by emery paper No. 360 or 400. Properly remove all the dust by using rags and RAK Woodtech PU Thinner. Make sure all the traces oil, dust and grease like materials before application.

Apply 2 coats of RAK Woodtech PU Primer to fill and smoothen wood surface. Recoat the sealer at the interval of 2 hours per coat. After application of each coat sand with fine emery paper until smooth uniform finish is achieved.

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)

---

## RAK Woodtech PU Opaque Matt 10%

---

### Application

#### Application methods

The product can be applied by

|                 |  |
|-----------------|--|
| Spray:          | Use conventional air spray or airless spray.                     |
| Brush & Roller: | Recommended only when area is not suitable for spray application |

---

#### Product mixing

To be mixed in 2:1 ratio by volume.

2 parts of RAK Woodtech PU Opaque Matt 10% with 1 Part of RAK Woodtech Catalyst PM.

---

#### Thinner/Cleaning solvent

Thinner: RAK Woodtech PU Thinner

10 – 20% thinner is recommended as per need.

---

#### Guiding data for Conventional spray

|                               |   |             |
|-------------------------------|---|-------------|
| Nozzle tip Size               | : | 1.4 mm      |
| Pressure at nozzle (minimum): |   | 40 – 50 bar |

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              | 15 Minutes  |
| Tack free                | 30 Minutes  |
| Full Cure                | Overnight   |
| Recoating Time (Minimum) | 3 - 4 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.

---

#### Pot Life

|             |   |         |
|-------------|---|---------|
| Temperature | : | 30° C   |
| Pot Life    | : | 4 Hours |

