

RAK Woodtech AC Clear Lacquer

Product description

RAK Woodtech AC Clear Lacquer is a specially formulated acid cured varnish based on tailored alkyd resin backbone. A varnish of two component materials with excellent covering properties and optimum brilliant finish. It provides a smooth, tough, durable finish with fast drying properties. Additionally, it offers good 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.

Finish

Clear

Product data

Property	Description
Gloss level (GU 60 °)	Gloss 90%, Matt 30% & Matt 10%
Solids by Volume	51 ± 2 %
Flash point	25 °C
Density	0.97 kg/l
VOC-EU	464 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	-	40	µm
Wet film thickness	59	-	79	µm
Theoretical spreading rate	17	-	12.75	m ² /l

Practical coverage is totally depending up quality and nature of the wooden substrate, weather conditions and application DFT of the paint.

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 must be removed before application. Apply 2 coats of RAK Woodtech AC Sanding sealer to fill and smoothen wood surface. Recoat the sealer at the interval of 2 – 4 hour per coat. After application of each coat sand with fine emery paper until smooth uniform finish is achieved.

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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 9:1 ratio by volume.
9 parts of RAK Woodtech AC Clear Lacquer with 1 Part of RAK Woodtech AC Hardner

Thinner/Cleaning solvent

Thinner: RAK Woodtech NC Thinner

30 – 40% 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	20 Minutes
Tack free	2 Hours
Full Cure	Overnight
Recoating Time (Minimum)	4 Hours
Recoating Time (Maximum)	Infinite

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	:	8 Hours

