

## Time Varnish

TA-38003

### Description

A one component solvent based alkyd resin topcoat paint, it designed to provide excellent sealing, leveling and gloss retention, that gives protection and stained appearance for wooden surfaces.

### Recommended Use

Recommended to use as a gloss topcoat for interior applications, it is a clear or pigmented by dyes that keeps shape and beauty of wooden surfaces such as doors, windows and furniture.

### Characteristics

- Excellent sealent and penetration into wooden substrate.
- High protection to wooden surfaces.
- Very good gloss retention.
- Excellent leveling property.
- Easy to clean with water and soft detergents.
- Gives the wooden surfaces shiny appearance.
- It saves efforts cost and time required for application.

### Physical Constants

Finish:	Gloss.	-
Gloss:	Above 90 at 60°,	ASTM D-523.
Color:	Clear and as per product catalog .	-
Volume Solid:	42 %.	ASTM D2697.
Viscosity:	90 KU @ 25 °C,	ASTM D562.

- Specific Gravity: 0.88, @ 25 °C (According ASTM D1475).

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### Tests

Hardness:	Pass, 2 H Pencil,	ASTM D3363.
Scratch Resistance:	Pass, 1 Kg.,	ASTM D5178.
Bending:	3 mm. Diameter,	ASTM D522.
Adhesion:	Pass,	ASTM D3359.
Water Resistance:	Pass,	ASTM D870.
Flash Point:	38°C.	-

### Surface Preparation

Primed surfaces: "Time Varnish" should be applied over recommended primer and it should be dry and free of grease, oil, dust, or any other contaminants. Grease and oil shall be removed with a suitable detergent. Salts and other contaminants shall be removed by high-pressure fresh water cleaning.

- "Time Varnish" must be applied within the over coating interval time of primer .

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### Application Guide

Application Method and Thinning: THINNER: "Time Thinner 504".

Application Method	Airless Spray	Air Spray	Brush/Roller**
Thinning (by volume)*	(5-10)%	(10-20) %	(10-15) %
Nozzle Orifice	0.013 - 0.015"	(1.5-2.5)mm	N/A
Nozzle Pressure	7.86 MPa ( 1100psi)	29.0-43.5 psi	N/A
Spray Angle	40-650	50-800	N/A

(\*) Depends on the weather condition at work place.

(\*\*) Recommended for stripe coat and small areas.

Film Thickness and Spreading Rate:

	Minimum		Maximum		Recommended	
	(µm)	mil	(µm)	mil	(µm)	mil
Dry Film Thickness (DFT)	20	0.8	50	2	30	1.2
Wet Film Thickness (WFT)	48	1.92	119	4.76	71	2.86
	m2/l	ft2/USgal	m2/l	ft2/USgal	m2/l	ft2/US gal
Theoretical Spreading Rate	21	842.1	8.4	336.8	14	561.4

### Application Conditions

- Application temperature more than (5°C) & maximum 40°C.
- Surface temperature should be at least (3°C) above dew point.
- Relative humidity: maximum 85%.

### Painting System

Primers: Self-priming or any kind of acrylic or polyurethane sealers of Time Paints .

Topcoats: Time Varnish.

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### Drying Time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

Temperature	25°C/77°F
Relative Humidity	50%
Surface Dry	3 hours
Hard Dry	16 hours
Dry to recoat, minimum	24 hours
Dry to recoat, maximum*	-----
Full Cure	7 days

Note: All records given in the table are typical at: recommended film thickness, good ventilation and one coat system.  
 (\*)The surface should be dry and clean prior to application. If the recoating interval is exceeded, the surface may need to be roughened.

### Packing

- Gallon 3.6 Liters.
- Can 1 Liter.

### Shelf Life & Storage

Shelf Life: 24 months at 25 °C.

Storage: Store indoors. Storage conditions are to keep the container in sealed container in dry, cool and well ventilated place.

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### Safety Precaution

- Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.
- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- Keep away from the reach of children.

**For environmental safety :** please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.

### Disclaimer

To the best of our knowledge the technical data listed herein is true and accurate up to publication date and is subject to change without prior notice. User must contact Al-Daman Building Materials Company to verify of any modifications before specifying or ordering the product. Thus, information given in this sheet is not intended to be exhaustive and any person using the product other than the recommendations in this sheet or without reverting to our Timepaints TSD, he should take his accountability in this connection.

As we are not capable to control the quality and the substrate's conditions as well as the factors that affect on using, or applying the product, so we never give any written or implied guarantee in these documents, but we guarantee our products to conform to Timepaints quality while we assume no responsibility for coverage, performance or injuries resulting from application. Liability "if any" is limited to replace the products mentioned above.