

TECHNICAL DATASHEET

SYNTHETIC VARNISH

PRODUCT DESCRIPTION

A general purpose synthetic varnish, based on fast drying alkyd resin for protective and decorative clear finishes applied on wood and metal.

PRODUCT BENEFITS

- 1- Good flexibility and high film durability.
- 2- Good adhesion to interior/exterior surfaces.
- 3- High washability
- 4- Good chemical and abrasion resistance
- 5- Excellent gloss retention
- 6- Great yellowing resistance.
- 7- Fast drying properties

RECOMMENDED USES

It is either recommended as a topcoat for synthetic paint or as a clear protective varnish on wood and metal substrates.

It can be used on panels, doors, windows, furniture etc.

It is suitable for air-drying applications.

SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.

- 1- Deteriorated previous coatings, weak and blistered paints or chalky substances should be removed by scrapers or paint removers.
- 2- Non-disintegrated paints or glossy surfaces of previous coatings should be roughened slightly with sand paper to ensure good intercoat adhesion.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State Clear viscous Liquid

Appearance Glossy Finish

Specific Gravity, ISO 2811 0.95 g/cm³

Viscosity, ISO 2884 30 poises

Drying Time, ASTM D5894 30min-1hour/coat to touch

Wet Film Thickness, ISO 2808 100 - 150 µm

Dry film Thickness, ISO 2808 50- 75 µm

Recoat Time 4-6 hours

Coverage 35-45m²/US Gallon (depending on the film thickness).

Sag Resistance, ASTM D3730 Excellent

Leveling, ASTM D2801 Excellent

Hardness ISO 1522 Excellent

Scratching Resistance, ASTM D3003 Excellent

Chemical Properties

Solids by Weight 44 ±2%

Solids by Volume 45 ±2%

PRIMING/ THINNING/ APPLYING

If a color is required, a proper wood stain can be applied before the varnish.

Thin with Synthetic thinner (up to 30- 40% for spray application). Thickness of paint film depends on condition of surface.

Apply 2-3 coats depending on the desired effect.

Clean tools and equipment with synthetic thinner immediately after use.

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1Pail (5 U.S.G.) = 20L

STORAGE

1 year under normal storage conditions from the issue date.

Avoid frost & excessive heat

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.