

TECHNICAL DATASHEET

WATER-BASED VARNISH LOW VOC

PRODUCT DESCRIPTION

A tough durable transparent finish providing high protection over bare wood or existing coatings. It has excellent anti-blocking properties as well as high abrasion resistance.

ENVIRONMENTAL STANDARDS & VOC REQUIREMENTS

This paint conforms to environmental standards, is free of toxic materials, solvents and has a VOC content value <1% complying with **ASTM D2369-20**

PRODUCT BENEFITS

- 1- Eco-friendly product
- 2- High resistance to abrasion and scratches
- 3- High resistance to blistering and flaking
- 4- Non-yellowing
- 5- High resistance to stains and detergent solutions
- 6- Great flow and open time
- 7- Excellent leveling properties
- 8- Excellent anti-blocking properties.

RECOMMENDED USES

Ideal for use on most wooden surfaces such as garage doors, shutters, window frames, doors etc. as well as painted concrete. It may also be applied over existing paint to protect the system while maintaining its aesthetical appearance.

SURFACE PREPARATION

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

- 1- Alkaline and acid surfaces should be cleaned and neutralized.
- 2- Deteriorated previous coatings, weak and blistered paints or chalky substances should be removed by scrapers, paint removers or flame spraying.
- 3- Non-disintegrated paints or glossy surfaces of previous coatings should be roughened slightly with sand paper to ensure good intercoat adhesion.
- 4- Holes, crevices, hollows, irregularities etc ... should be filled with Wood Putty

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear
Color Range	Gloss, Semi-Gloss, Matte
Odor	None
Temperature	25 ⁰ C
Relative Humidity	60%

Specific Gravity, ISO 2811	1-1.1 g/cm ³
Viscosity, ISO 2884	8-12 poises

Drying Time, ASTM D5894	2-3 hours
Recoat Time	4-6 hours

Sag Resistance, ASTM D3730	Excellent
Leveling	Excellent
Abrasion Resistance	Excellent

Scratching Resistance	Excellent
Water resistance	Excellent

Chemical Properties

Solids by Weight	60-62 %
Solids by Volume	55-57 %

Very low VOC	<1%
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PRIMING / THINNING/ APPLYING

- 1- Smooth & Take off dust from wooden surface, knots should be filled with Wood Putty.
- 2- Apply the first coat of varnish diluted up to 100% on unpainted substances. Leave to dry for about 8-12 hours, rub down slightly with a fine sand paper and apply the second coat diluted up to 50%.

If needed, apply a wood stain before applying the varnish. Clean tools and equipment with water after use.

PACKING

In cylindrical tin containers of the following capacities:

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

STORAGE

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.