

## **TECHNICAL DATASHEET**

# **POLYURETHANE VARNISH NY**

### **PRODUCT DESCRIPTION**

A high performance one pack polyurethane clear varnish providing a protective transparent and extremely tough finish with exceptional yellowing resistance. It enhances the wood's natural beauty and grain.

### **PRODUCT BENEFITS**

- 1- Water Clear coating
- 2- Good UV resistance
- 3- Excellent yellowing resistance
- 4- Excellent scratching resistance
- 5- High durability
- 6- Excellent gloss retention.
- 7- Good chemical and mechanical resistance
- 8- Great hardness

### **RECOMMENDED USES**

Interior and exterior wood surfaces.

Suitable for surfaces where high resistance, durability and non-yellowing properties are required.

### **SURFACE PREPARATION**

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants. All deteriorated previous coatings should be removed.

Holes and cracks in wood should be filled with suitable filler.

### **PHYSICAL AND CHEMICAL PROPERTIES**

## Physical Properties

Technology	Polyurethane
Physical State	Liquid
Appearance	Water clear
Finish	Eggshell, Gloss
Color	Clear Tinted upon request
Specific Gravity, ISO 2811	1 ±0.05 g/cm <sup>3</sup>
Viscosity, ISO 2884	90 sec
Drying Time, ASTM D 5895	35 min to touch.
Recoat Time	After 2- 3 hours
Coverage	12- 15 m <sup>2</sup> / liter
Sag Resistance, ASTM D 3730	Excellent
Leveling, ASTM D 2801	Excellent
Scratching Resistance, ASTM D3002, D 3359	Excellent
Hardness	Excellent

## Chemical Properties

% Solids by Weight	72 ±2%
% Solids by Volume	72 ± 2%

## PRIMING/ THINNING/ APPLYING

If a color is required, it can be stained..

Thin with PU thinner to reach the desired viscosity depending on the application.

Apply one coat on the substrate. Recoat it if necessary after 1-2 hours.  
Clean tools and equipment with PU Thinner immediately after use.

## CAUTION

Flammable liquid. Keep away from flame or high heat.  
Avoid inhalation of spray mist and arrange for adequate spraying precautions especially in closed areas.

## 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.) = 20 L

Each container is supplied with its appropriate hardener.

## STORAGE

Avoid frost & excessive heat.

## SHELF LIFE

2 years under normal storage conditions in unopened containers.

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.