

## TECHNICAL DATASHEET

# POLYURETHANE SEALER

### PRODUCT DESCRIPTION

A two pack air-drying polyurethane sealer providing excellent sealing properties and sandability.

### PRODUCT BENEFITS

- 1- Good mechanical resistance
- 2- Good intercoat adhesion
- 3- Excellent sandability
- 4- Good chemical resistance
- 5- High cracking resistance
- 6- Excellent sealing properties
- 7- Good weathering resistance

### RECOMMENDED USES

Interior and Exterior heavy duty sealer for applications where high performance, excellent abrasion, chemical and mechanical resistance are required. Ideal for wood surfaces and can also be applied on metallic substrates.

### SURFACE PREPARATION

Surfaces must be dry and clean, free from oil, greases and other contaminations.

Previous chalking, flaking or deteriorated coatings should be removed.

Holes and crevices must be properly filled.

Humidity of wood should not exceed 18- 20%

### PHYSICAL AND CHEMICAL PROPERTIES

#### Physical Properties

Technology	Polyurethane
Physical State	Viscous Liquid
Appearance	Comp. A translucent liquid Comp. B clear liquid

Two Components- requires mixing

Color Clear

## Component A

Specific Gravity, ISO 2811  $1 \pm 0.05 \text{ g/cm}^3$  (Gloss Finish),  
 Viscosity, ISO Cup 4 260-280 sec

## Component A+B

Drying Time, ASTM D 5895 30 min to touch.  
 Wet Film Thickness, ISO 2808 100 - 150µm per coat  
 Dry Film Thickness, ISO 2808 50-75µm per coat  
 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

## **Chemical Properties**

### Component A

% Solids by Weight 47- 49%  
 % Solids by Volume 42- 44 %

## **THINNING/ APPLYING**

Mix Component A with Component B (50% hardener)  
 Allow the mixture to react for 10- 15 min  
 Thin with 20- 25% PU thinner

Apply one coat on the substrate.

Wait 6-8 hours before sanding.

Tools: brush, Roller, Spray  
 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.) = 20L

Each container is supplied with its appropriate hardener and Thinner

## 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.