

TECHNICAL DATASHEET

POLYURETHANE PRIMER

PRODUCT DESCRIPTION

A two pack polyurethane primer formulated to provide fast drying, excellent adhesion and easy sanding property. It ensures superior adhesion between wooden or metallic surfaces and polyurethanes finishes.

PRODUCT BENEFITS

- 1- Good mechanical resistance
- 2- Good intercoat adhesion
- 3- Good chemical resistance
- 4- Excellent hardness
- 5- Excellent sealing properties

RECOMMENDED USES

Interior and Exterior primer 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, grease 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 Thick liquid Comp. B clear liquid Two Components- requires mixing 1U.S.G. = 50% Hardener

Thinned up to 20- 25% with Thinner.

Color See catalogue

Component A

Specific Gravity, ISO 2811 1.3- 1.45 g/cm³

Viscosity, ISO 2884 20- 25 poises

Component A+B

Drying Time, ASTM D 5895 30 min to touch.

Wet Film Thickness, ISO 2808 100- 150 µm per coat

Dry Film Thickness, ISO 2808 60- 90 µm per coat

Recoat Time After 2-4 hours

Sag Resistance, ASTM D 3730 Excellent

Leveling, ASTM D 2801 Excellent

Scratching Resistance, ASTM D3002, D 3359 Excellent

Hardness Excellent

Coverage 45-55 m² /US. Gallon

Chemical Properties

Component A

% Solids by Weight 70- 75 %

% Solids by Volume 55- 60 %

THINNING/ APPLYING

Mix Component A with Component B

Allow the mixture to react for 10- 15 min

Thin with 20- 25% PU thinner

Apply one coat on the substrate.

Tools: brush, Roller

Spray (preferred method)

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 and Thinner

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.