

TECHNICAL DATASHEET

POLYURETHANE LACQUER

PRODUCT DESCRIPTION

A two-pack polyurethane clear lacquer providing a high performance protective transparent finish. This lacquer offers excellent hardness and resistance to various environmental conditions.

PRODUCT BENEFITS

- 1- Remarkable weather & abrasion resistance in urban & aggressive environments
- 2- Good UV resistance
- 3- Excellent scratching resistance
- 4- High durability
- 5- Excellent gloss retention
- 6- Good chemical and mechanical resistance
- 7- Great hardness

RECOMMENDED USES

Interior and exterior wood surfaces (furniture, cabinets, wood structures...)
Suitable for surfaces where high resistance and durability 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	Comp. A clear to translucent liquid Comp. B clear liquid Two Components- requires mixing

1U.S.G. = 50% Hardener

Finish	Matte, gloss (25%, 30%, 50%, and 100%)
Color	Clear

Component A

Specific Gravity, ISO 2811	0.97- 1 g/cm ³
Viscosity, ISO Cup 4	17- 20 sec (gloss) 45- 50 sec (matt, 25%/ 30%, 50% gloss)

Component A+B

Drying Time, ASTM D 5895	35 min to touch.
Wet Film Thickness, ISO 2808	75- 125 µm per coat
Dry Film Thickness, ISO 2808	40- 60 µm per coat
Recoat Time	After 1-2 hours
Coverage	12- 15 m ² / liter
Sag Resistance, ASTM D 3730	Excellent
Leveling, ASTM D 2801	Excellent
Scratching Resistance, ASTM D3002, D 3359	Excellent
Hardness	Excellent

Chemical Properties

Component A

% Solids by Weight	45- 47 %
% Solids by Volume	43- 46%

PRIMING/ THINNING/ APPLYING

If a color is required, wood can be stained before applying PU Lacquer.

Mix Component A with Component B

Allow the mixture to react for 10- 15 min

Thin with PU thinner up to 25- 30%

Allow the mixture to react about 10- 15 min before application.

Apply one coat on the substrate. Recoat it if necessary after 2-4 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.

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.