

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/cm³
 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 m² / 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

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.