



Polyurethane Varnish Clear™ PV-361

Int/Ext Polyurethane Varnish Clear Flat

Description:

Polyurethane Clear Varnish™ is an extra strong, flexible flat finish varnish, specially formulated to protect interior and exterior wood and metal surfaces from wear, water, and chemicals while enhancing the natural beauty of the wood grain. It contains no lead or mercury.

Uses:

Polyurethane Clear Varnish™ is formulated to seal new or previously varnished wood on interior or exterior surfaces and to rejuvenate old and worn surfaces (furniture, doors, cabinets, etc.). It can be applied to floors in low-traffic areas.

Surface Preparation:

All surfaces must be dry, clean, sound, and free of contaminants such as dirt, grease, mildew, oil, and other pollutants. Remove all old, cracked, and peeling paint by scraping, hand sanding, or mechanical means. Glossy surfaces should be lightly sanded prior to new application.

Meets Requirements for:

MPI:	N/A
Green Performance1:	N/A
Green Performance 2:	N/A
VOC Compliant (<600g/L):	No

Product Advantages:

- 100% transparent.
- Non-yellowing.
- 100% UV resistant.
- Strong and flexible finish.
- Single-component application.
- Fast-drying.
- Contains no heavy metals such as lead or mercury.
- Durable.

Technical Data:

Product Type:	Polyurethane Resin
Finish:	Flat (0° - 8°) *Geometry 60°
Solids (%):	40 ± 1% by weight 32 ± 1% by volume
Weight/Gallon:	7.40 ± 0.05 lbs. (3.35 ± 0.02 kg.)
Color:	Clear
Drying time:	To touch: 1 hr.. To recoat: 12 hrs.
Coverage:	
Theoretical:	Up to 516 ft ² /gal. @ 1 mil wet
Recommended:	410 - 450 ft ² /gal. (38-42 m ² /gal.) @ 1.2 mil dry, 4 mils wet.
Sizes:	Gallon Quart
Thinning:	Is not recommended
Flash Point:	20 °F TOC
Viscosity:	120 - 150 cp
Pigment by Weight:	0.5 ± 0.1%
VOC:	<600 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

New Wood: Lightly sand the surface following the wood grain until smooth; remove dust with a vacuum or cloth. Fill any surface holes with Lanco® Wood Filler™ and allow to dry. Sand filled areas and remove dust again.

Previously Painted Surfaces: This product is intended for application on unfinished wood or wood that has previously been treated with a similar product and is in good condition. Remove wax or oils using Lanco® LT-102 Lacquer Thinner. Gently sand using medium grit sandpaper (#120), then proceed with fine sandpaper (#220). Always sand in the direction of the wood grain. Remove all dust. If the previous finish is peeling, it must be completely removed using Lanco® Safe Strip PR-113. If it is in good condition, sand to dull the gloss and touch up with this same product. If there is any doubt regarding compatibility with a previously used product, apply a small amount of Lanco® Polyurethane Clear Varnish™ to a test area and wait several weeks. Inspect afterwards and look for signs of adhesion failure, wrinkling, or lifting. Continue use if no signs of incompatibility are found after this test period.

Mixing: This is a single-component product. Before use, stir thoroughly by hand with a paddle. Do not shake excessively to avoid introducing air bubbles that may remain visible after application.

F.D.S.: Available upon request

Method of Application:

Brush: Use a quality natural bristle brush.

Roller: Use a Lanco® All Purpose Roller 3/8" Nap PA-566. Care must be taken during this application to avoid air bubbles. A second coat may be necessary to achieve the correct wet film thickness of 4 mils, which dries to 1.2 mils.

Conventional Spray Gun: For suction feed: Use DeVilbiss MBC gun with "E" tip and needle, air cap 30 or equivalent, at 35-40 psi. For pressure feed: Use DeVilbiss MBC gun with "E" tip and needle, air cap 704 or equivalent, 35-40 psi air pressure and 5-8 psi fluid pressure, 3/8" ID hose, pressure tank with dual regulators and oil/moisture separator.

Airless Spray Gun: Minimum pump ratio of 28:1, tip orifice size 0.011"-0.013", 1/4" ID Teflon hose.

Limitations: Apply in good weather when ambient and surface temperatures are above 40°F (4°C) and the surface temperature is at least 5°F (-15°C) above the dew point. For optimal application, material should be between 70°F and 100°F (21°C and 38°C) before mixing and application.

Note: Lightly sand between coats with fine sandpaper when applying multiple coats of this product. Remove all dust with a vacuum or cloth before recoating.

Cleanup: Clean drips, spills, and all equipment used for application with Lanco® Mineral Spirits MS-107.

Caution: Do not ingest this product. Close container tightly after each use. Keep out of reach of children. Flammable; keep away from heat and flames. Avoid prolonged skin contact and inhalation of vapors.

DANGER/ WARNING:

Caution: Flammable content. Do not use near fire or flame.

Contains: Petroleum distillates. Use only with adequate ventilation. Ventilation must be sufficient to keep exposure levels below those specified in the material safety data sheets. Eye irritation and dizziness are signs of excessive overexposure.

For information, refer to Lanco® Safety Data Sheets. Avoid prolonged or repeated inhalation of vapors. Proper ventilation is essential. High concentrations of vapor may cause unconsciousness or even suffocation.

Do not ingest. Swallowing can cause harm, illness, or death. If swallowed, do not induce vomiting; seek immediate medical attention.

Warning! Reports associate prolonged or repeated overexposure to solvents with permanent damage to the nervous system and brain, peripheral nerve tissue damage, and liver abnormalities. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Provide adequate ventilation during application and drying cycles. Always use respiratory protection (NIOSH, MSHA TC 23C or equivalent). Keep out of reach of children.

