

TECHNICAL DATA SHEET

P.DS.032 (FB-NC SERIES) REV04/05/2023

SOLVENT BASED

YES WOOD PU GLOSS VARNISH 20



Yes Wood Polyurethane Gloss Varnish 20 is a high-quality, hard-wearing single pack gloss polyurethane modified alkyd varnish which has been specifically formulated to provide scratch & water resistant qualities on interior & exterior natural wood surfaces.

USES

Interior & Exterior

Ideal for use on all previously treated or coated interior and exterior wood furniture and woodwork where waxes, oils, varnishes or sealers may have been used. Use on tables, chairs, wood panelling, bar counters, doors & door frames, bannisters, stairs, decks, garage doors and low traffic floor areas.

FEATURES & BENEFITS

- Mar and abrasion resistant
- Excellent resistance to heat, water alcohol, food, fruit juices, grease and detergents
- Excellent all-weather resistance and durability
- Excellent grain filling properties
- Lead content, less than 90 ppm

TECHNICAL DATA

PHYSICAL FORM	Flammable viscous liquid containing pigments
COLOUR	Clear and range of standard colours
FINISH	Smooth, Glossy
POLYMER TYPE	Polyurethane modified alkyd resin
PIGMENTS	Weather and light resistant types only
VISCOSITY AT 23 °C	30 ± 10 sec Fc4
SG AT 23 °C	0.90 ± 0.05 kg/l
SOLIDS	By mass = 42 ± 2%, By volume = 34 ± 2%
FILM THICKNESS	WFT = 75 - 100 µm, and DFT= 25 - 35 µm
SPREADING RATE	Approximately 9.5 – 13.5 m ² /l per coat. Depending on the substrate condition and porosity
DRYING PROPERTIES	Surface or touch-dry: 4 hours @ 23°C, Hard-dry: 12 - 16 hours @ 23°C
RECOATING TIME	12 hours @ 23°C depending on WFT and conditions during drying
PACKAGING	5l
MIXING & THINNING	Stir the contents thoroughly with a flat paddle before use. Ready for use by paint brush or super fine roller application. If required to reduce viscosity, add a minimum quantity of mineral turpentine (NB: DO NOT add water) Recommended spray application viscosity for conventional and airless spray equipment: 17 - 20 Sec FC4 Mineral turpentine additions will vary for different applications

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CLEANING	Clean all tools (brushes, rollers, and spray equipment) while wet with mineral turpentine after use
APPLICATION METHOD	Apply using a suitable brush, super fine roller and airless spray

SURFACE PREPARATION

Thoroughly clean and prepare the wood surfaces by removing all dust, dirt, grease, grime and any loose contaminants.

SOLID TIMBER OR MEDIUM DENSITY FIBREBOARD (MDF):

New surface: Wood must be dry, clean, and free from any contamination.

Prior to application, sand the surface to a smooth finish with fine sandpaper, working in the direction of the grain. Round off any sharp edges. Ensure that the substrate is then free of dust by using dry compressed air or a lint free, clean cloth.

Suggested sandpaper grit:

- 150 - 180 grit sandpaper for raw wood
- 320 - 400 grit sandpaper for foil, melamine, filler-coated / primed substrates intermediate lacquer sanding

Fill surface defects, holes etc. using wood filler. Sand the surface of the wood with coarse sandpaper followed by progressively finer grades to produce a smooth surface. Remove all dust by blowing and wiping with a damp cloth. Leave to dry. Seal knots using a suitable knot sealer to prevent the possibility of resin bleeding into the varnish. Allow it to dry.

Previously varnished, waxed, oiled or painted wood:

Wood must be dry, clean, and free from any contamination.

Previously varnished wood in good condition: Lightly abrade the surface with a 100 - 120 grit sandpaper to produce a matt effect, followed by progressively finer grades to produce the desired smooth finish. Remove dust using a damp cloth then allow drying.

Previously varnished wood in poor condition: Remove old varnish by stripping with Promac Paint Stripper, thereafter, rinse with clean water. Sand in the direction of the grain using 80 - 120 grit sandpaper, followed by progressively finer grades to produce the desired smooth finish. Remove dust with a dry, clean, lint free cloth, then wipe with mineral turpentine before the application of **Yes Wood Polyurethane Gloss Varnish 20**.

Previously waxed or oiled wood surfaces: Mechanically remove evidence of residue and wipe down with lacquer thinners and a mutton cloth to remove any weathered material and restore the surface to an even appearance. Multiple wipes may be required. Treat as per new surface above.

Previously painted wood surfaces: Wood surfaces which are cracked, discoloured, weathered or flaking must be completely stripped back to bare wood, either by sanding or with Promac Paint Stripper. Wipe the surface down with lacquer thinners and mutton cloth and allow to dry. Sand smooth with 80 - 120 grit sandpaper, followed by progressively finer grades to produce the desired smooth surface. Remove dust with a dry, clean lint free cloth, then wipe with mineral turpentine before applying varnish.

PLEASE NOTE THE FOLLOWING:

Sandpaper grits are a general recommendation and should be used as a guide only.

All additional products advised for use during surface preparation must be used & applied in accordance with that which is stated within the relevant product's data sheets.

APPLICATION

By brush or super fine roller:

Apply the first coat following a 1:1 dilution of the product with mineral turpentine. Allow at least 12 hours drying time. Sand the first coat lightly. Intermediate sanding of 600-800 grit sandpaper is recommended between coats of **Yes Wood Polyurethane Gloss Varnish 20** to achieved the desired finish. Dust off with a damp cloth. Apply two to three coats to achieve the desired finish. The second and third coat should not be diluted!

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By airless spraying:

Apply the first coat. If it is necessary to reduce viscosity, add a minimum quantity of mineral turpentine (NB: DO NOT add water). The recommended spray application viscosity for conventional and airless spray equipment is 17 - 20 Sec FC4. Allow at least 12 hours drying time. Sand the first coat. Intermediate sanding of 600-800 grit sandpaper is recommended between coats of **Yes Wood Polyurethane Gloss Varnish 20** to achieve the desired effect. Apply two to three coats following the same procedure mentioned for the first coat.

DO NOT PAINT

- If the temperature is below 10°C or above 40°C
- If the surface is damp (moisture reading above 10%)
- Surface temperature min 10°C and max 35°C
- If it is raining or rain is forecast within 6-8 hours
- Before 09h00 and after 16h00 in the winter

HEALTH & SAFETY

Keep away from heat, sparks, open flames and hot surfaces. Prohibit smoking during use. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fumes, gases, mist vapours or spray. Wash hands thoroughly after handling product. Wear protective gloves, clothing, eye protection and face protection. If swallowed, call your doctor.

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