

Technical Data Sheet

Universal Enamel Varnish

Description

Universal Enamel Varnish is a clear, solvent-based protective finish based on high-quality alkyd resin. It forms a hard, durable, and abrasion-resistant film with good flow and leveling and long-term gloss retention. Suitable for interior woodwork and properly prepared exterior wood, and for clear finishing over compatible, fully cured alkyd enamels where a clear topcoat is desired.

Features & Benefits

- Clear protective finish in Gloss, Semi-Gloss, and Matt
- Strong abrasion and household stain resistance; hard, washable film
- Good gloss retention and UV/weather resistance for exterior wood
- Smooth flow and leveling with easy brushing
- White-spirit clean-up

Uses

- Interior wood: doors, frames, cabinets, furniture, trim, paneling
- Exterior wood above ground and above the waterline: doors, trim, handrails, fascia (with adequate build)
- Over compatible, fully cured alkyd enamels; test a small area first because oil-based clears can slightly warm or change appearance of the basecoat

Technical Data

Property	Typical Value
Binder Type	Long Oil Alkyd Resin
Finish	Gloss / Semi-Gloss / Matt
Density	0.90-0.95 kg/L
Solids by Volume	50-52%
Drying Time @25°C & 50% RH	Touch dry: 2-4 h · Recoat: 12-16 h · Full Cure: 72 h

Flash Point	35 °C
Coverage	12-16 m ² /L per coat @ 25–30 µm
Thinning	White Spirit up to 15-20% (roller/brush), 20-25% (spray)
Application Temperature	+10°C to +35°C

Surface Preparation

All substrates must be dry, sound, and free from dust, oil, wax, grease, silicone, and other contaminants.

- New interior wood: sand progressively to P180–220, remove dust.
 - Exterior wood: ensure dry, well-seasoned timber; sand and remove dust.
 - Previously coated wood: remove waxes; de-gloss thoroughly; ensure prior coating is sound and compatible.
 - Over alkyd enamel: the enamel must be fully cured; de-gloss and clean; test a small inconspicuous area to confirm appearance and adhesion because an oil-based clear can warm tone or slightly change the look of the basecoat.
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Application

- Tools: Brush, roller, or airless spray.
 - Film Thickness: Apply uniform coats to achieve full coverage.
 - Recoating: Ensure previous coat is dry and lightly sand if necessary.
 - Cleanup: Clean tools immediately after use with white spirit.
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Packaging

1 US Quart (0.946 L), 1 US Gallon (3.785 L), and 5 US Gallons (18.925 L).

Storage & Safety

Store in tightly closed containers between +5 °C and +35 °C. Keep away from heat, sparks, and open flame.

Shelf life: 24 months in unopened containers stored under recommended conditions.