

Technical Data Sheet

Universal Acrylic Varnish (Waterborne)

Description

Universal Acrylic Varnish (Waterborne) is a clear, non-yellowing, water-based acrylic varnish designed for interior and exterior use on wood, MDF, previously painted surfaces, and other suitably primed substrates. It delivers a hard, durable, scratch- and stain-resistant film with fast dry, low odor, and easy water clean-up, fast recoat times, low VOC, and non-yellowing clarity.

Features & Benefits

- Clear, non-yellowing finish with good gloss retention (finish-dependent)
- Fast recoat with early hardness development and block resistance
- Good scratch, scuff, and household stain resistance
- Low odor, low VOC, and water clean-up
- Available in gloss, semi-gloss, and matt sheen options

Uses

- Interior woodwork, trim, doors, cabinets, furniture, paneling, and moldings
- Previously painted or stained surfaces where a clear protective finish is required
- Projects requiring low odor, quick recoat, and easy maintenance
- Not recommended over uncured oil finishes; test small area for compatibility

Technical Data

Property	Typical Value
Binder Type	Pure Acrylic
Finish	Gloss / Semi-Gloss / Satin
Density	1.02-1.08 kg/L
Solids by Volume	35-37%
VOC	<50 g/L
Drying Time @25°C & 50% RH	Touch dry: 30-60 min · Recoat: 2-4 h · Full Cure: 7 days

Coverage	10–12 m ² /L per coat @ 35–40 µm
Thinning	Clean water up to 15-20% (roller/brush), 20-25% (spray)
Application Temperature	+10°C to +35°C

Surface Preparation

All surfaces must be clean, dry, sound, and free from dust, oil, grease, wax, and contaminants.

- New wood: Sand progressively to P180–220; remove dust. Ensure moisture content < 15 percent.
 - Previously coated surfaces: Lightly sand to remove gloss and promote adhesion; remove dust. Test an inconspicuous area for lifting or incompatibility.
 - Stained wood: Ensure stain is fully dry; follow stain manufacturer recommendations before clear coating.
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Application

- Tools: High quality brush, shirt nap 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 clean water.
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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 tightly closed in a cool, dry, and well-ventilated area between +5°C and +35°C. Protect from frost and direct sunlight. Shelf life: 12-24 months in unopened containers.

Avoid contact with skin and eyes; wear protective gloves and goggles during application. Ensure adequate ventilation during use. Non-flammable, water-based product.