

Interior / Exterior High Performance Waterborne Wood Coating

Architectural Coating - Specialty

Description

Nova-Clear is a high-performance, pre-catalyzed waterborne urethane coating formulated for wood substrates. It provides a clear, non-yellowing finish with excellent resistance to abrasion, moisture, and common household chemicals typically associated with two component systems. When applied according to the manufacturer's recommendations, the complete coating system meets or exceeds applicable Kitchen Cabinet Manufacturers Association (KCMA) performance requirements.

Recommended Uses

For wood substrates only. Ideal for kitchen and bathroom cabinetry, architectural millwork, furniture, and shutters. **Do not use on decks, siding, fences, flooring, or other large expanses of exterior wood surfaces.**

Finish (Gloss @ 60°)

NC10 Matte = 5-7
NC30 Eggshell = 15-20
NC40 Semi-Gloss = 50-60
NC50 Gloss = 70+ (Special Order only)

Packaging

Quarts and one gallon containers

Surface Preparation

Surfaces must be clean, dry, and free of grease, oil, dirt, and other contaminants that may interfere with adhesion.

New Wood: Sand the surface with 150-180 grit sandpaper and remove all sanding dust. **Previously Coated Wood:** Existing coatings must be sound and firmly adhered. Sand the surface with 220-280 grit sandpaper to promote adhesion, then remove all sanding dust.

Note: A surface preparation short of fully removing the existing coating can reduce the overall service life of the coating system.

Application

Mix the material thoroughly before use and periodically during application. Avoid excessive or high-speed agitation, which may introduce air and create bubbles or foam. Apply when the air, material, and surface temperatures are at least 50°F and the relative humidity is below 80%. For best results, use conventional, HVLP, airless, or air-assisted airless spray equipment. For small areas, use a high-quality synthetic-bristle brush.

Recommended Tip Sizes:

Airless	.008-.012 in FF
Air-Assisted Airless	.011-.013 in
Conventional	.055-.070 in
HVLP	.055-.070 in (With #3 or #4 Needle)

For airless and air assisted airless application, Fine Finish Low Pressure (FFLP) tips provide the most desirable finish.

On new wood, apply 1 coat of NC01 Nova-Clear Sanding Sealer, followed by 1-2 coats of this product. When used as a self-sealing system, apply 2-3 coats. Over properly prepared, previously coated wood, apply 2-3 coats. Before proceeding with the entire project, test a small area for adhesion and compatibility. Lightly sand between coats with 320 grit sandpaper to promote intercoat adhesion and achieve a smooth finish. Remove all sanding dust before applying the next coat.

Thinning

Use at package consistency.

Recommended Film Thickness per Coat

Wet = 3.0 - 4.0 mils Dry = 1.0 - 1.3 mils

Coverage

400 - 500 sq ft per gallon, depending on the application method and the porosity of the substrate.

Drying Time

Air Dry @ 77°F & 50% RH
Touch: 30 minutes
Sand/Recoat: 45 minutes
Stackable: 24 hours

Force Dry @ 110°F

Touch: 30 minutes
Sand/Recoat: 45 minutes
Stackable: 6-8 hours

Allow a 10-15 minute flash-off before force-drying, then cool for 15 minutes.

Solids by Volume:	31-32% ±2%
Solids by Weight:	32-33% ±2%
VOC:	< 100 g/L
Weight Per Gal:	8.7 lbs
Viscosity:	80-90 sec Zahn Cup #4

Performance Data

KCMA Finish Tests:

Heat Test	Pass
Cold Test	Pass
Spill Test	Pass
Stain Test	Pass

Conformance

SCAQMD Rule 1113 Architectural Coatings
Coating Category: Wood Coating; Sanding Sealer
SCAQMD Rule 1136 Wood Products Coatings



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