



Technical Data Sheet

Exterior 450 Topcoat

Product Features

Exterior 450 topcoat is specifically designed to handle the harsh outdoor elements. It is a soft, flexible film that moves with wood as it expands and contracts. Built-in UV absorbers protect the film from breaking down in sunlight while mildewcides retard mold and mildew growth.

Application Conditions: Recommended 70°F and 50% humidity, out of direct sunlight. Variations in conditions and application technique can significantly affect dry times and coverage. Use GF Accelerator in cool or humid conditions. Use GF Extender in warm or dry conditions.

Surface Prep: Always ensure the surface is clean of contaminants and dust. Sanding any surface too smoothly can reduce adhesion and create application issues like orange peel.

Raw Wood: Sand with no finer than 220 grit. Ensure any freshly stained surface has dried thoroughly and completely.

Pre-finished Wood: Clean using 50/50 mix of denatured alcohol and water with maroon non-woven pad. Sand with fine (220-320) foam sanding pad or maroon non-woven pad.

Other Substrates: Can be used with proper priming and/or painting. Always test first.

Sanding Between Coats: Using fine (220-320) foam sanding pad or gray non-woven pad.

System Recommendations: Use without a sealer. At least 3 total coats of finish are recommended.

Force Dry: Allow product to flash for 10 minutes at ambient temperature. Using infrared lamps or oven, heat surface to 105°F. Allow to cool before sanding. Allow a minimum of 30 minutes between coats.

Buffing: Can be done after the finish has cured using wet/dry automotive sandpaper. Use GF Finishing Wax or mineral spirits as lubricant. Do NOT use water.

Storage & Shelf Life: Above 50°F and below 80°F, out of direct sunlight, tightly sealed. Finish preservers such as Bloxygen can help prolong storage life. Best if used within one year of date on can. Unopened and properly stored finish can conservatively last up to 5 years.

Disposal: Always dispose of any leftover coatings in accordance with local laws. Do not pour down the drain.

The information and recommendations on this sheet are based upon information gathered at the time of publication and do not act as a safety data sheet. For complete safety and product data, consult the product labels and visit www.generalfinishes.com for complete SDS sheets.

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Recommended Uses

Vertical exterior surfaces such as cabinets, trim, doors, fences, railings, and furniture. Use over raw wood, stain, or non-white painted surfaces.

For white surfaces, use GF Brushable White Enamel.

Complies w/ the following air quality regulations:

SCAQMD, CARB, Canada, OTC Phase I & Phase II

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| Product Type: | Water-based acrylic/urethane blend |
| Sheens Available: | Flat (10), Satin (30), Semi-Gloss (55), Gloss (85+) |
| Tintable?: | Yes but not recommended |
| Volume Solids: | 34% (Flat) - 29% (Gloss) |
| Weight Solids: | 31% - 29% |
| Rec. Film Thickness: | Wet: 3-5 mils Total Dry (multiple coats): 2.5-5 mils |
| Coverage: | Up to 600 sq. ft. per gallon |
| Viscosity: | Medium (350-450 cPs) |
| Application: | Recommended for spray application only |
| Brush: | Synthetic bristle or foam as necessary |
| Roll: | Short nap or foam as necessary |
| HVLP: | 1.1 mm—1.3 mm |
| Air-Assist Airless: | 600 PSI pump, 20 PSI assist air, .011" tip |
| Airless: | Fine Finish .007" - .011" |
| Dry Time (touch): | 30 minutes |
| Dry Time (recoat): | 2 hours |
| Cure Time: | 21 days @ 70°F, 50% humidity |
| Thin With: | Water, GF Extender, GF Accelerator |
| Clean Hands w/: | Soap & Water |
| Clean Equipment w/: | GF Brush & Gun Cleaner |
| Sizes Available: | Gallons, 5-gallon Pails |
| VOC: | Under 123 g/L |