



Technical Data Sheet

Exterior 450 Stain

Product Features

Exterior 450 Stain is a premium pigmented stain formulated to hold up to the outside conditions of sunlight and excess moisture. High-quality pigments and built-in UV absorbers protect color from fading in sunlight while mildewcides retard mold and mildew growth. Not recommended as a deck finish.

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: Ensure the surface is clean of contaminants and dust. Variations in wood species, prep procedures, and application procedures can significantly affect color. Always test for color before staining your project.

Raw Wood: Sand no finer than 220 grit on closed-grain woods, 180 grit on open-grained woods.

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. Always test for adhesion.

Application Tips: Do not apply with a rag or cloth. If stain is drying too quickly, apply more stain to re-wet the surface. For deeper color, a 2nd coat can be applied after the 1st coat has dried completely. Use Pre-Stain Natural for more consistent color on blotchy woods.

System Recommendations: Finish with 3 coats of Ext. 450 topcoat.

Grain Raise: Some grain raise is expected using water-based stain. Minimize this by wetting wood with water, allowing it to dry, and sanding smooth before staining. After staining and applying 1st coat of topcoat, use caution not to sand through topcoat and damage the stain. Finish should be smooth after sanding 2nd coat of topcoat.

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.

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.

ed March 2020 by General Finishes Corp. East Troy, Wi.

Recommended Uses

Vertical exterior surfaces such as cabinets, trim, doors, fences, railings, and furniture.

Complies w/ the following air quality regulations:

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

Product Type:	Water-based pigmented stain
Colors Available:	17 colors plus Pre-Satin Natural
Tintable?:	Yes
Volume Solids:	14%
Weight Solids:	22%
Rec. Film Thickness:	N/A
Coverage:	Up to 600 sq. ft. per gallon
Viscosity:	Medium
Application:	Brush, roll, pad applicator, or spray
Brush:	Synthetic bristle or foam
Roll:	Short nap or foam
HVLP:	1.1 mm—1.3 mm
Air-Assist Airless:	.007" tip
Airless:	Fine Finish .007" - .009"
Dry Time (touch):	30 minutes
Dry Time (recoat):	2 hours
Cure Time:	N/A
Thin With:	Water, GF Extender, GF Accelerator
Clean Hands w/:	Soap & Water
Clean Equipment w/:	GF Brush & Gun Cleaner
Sizes Available:	Quarts, Gallons, 5-gallon Pails
VOC:	All colors under 185 g/L