



Exterior 450

PERFORMANCE DATA



The industry leader in water based technology.

EXTERIOR 450 Performance Data

Test Results are based on Exterior 450 Satin, Semi-Gloss, or Gloss, or the Base Exterior 450 resin (which controls the overall weathering and performance characteristics). EF Crosslinker may be used, and results are reflected in test data.

CHEMICAL RESISTANCE

CHEMICAL	Exterior 450 Initial	Exterior 450 1 hr. Recovery	Exterior 450 Crosslinked Initial	Exterior 450 Crosslinked 1 hr. Recovery
Water	4	5	5	5
Ketchup	4	5	5	5
Mustard	5	5	5	5
Coffee	5	5	5	5
Iodine	4	4	4	4
Hydrogen Peroxide	5	5	5	5
Windex	3	5	4	5
Formula 409	3	4	4	5
Ammonia	3.5	5	4	5
Rubbing Alcohol	2.5	3	3	4
Suntan Lotion	4	5	4	5
Rum	4	5	4	5
Red Wine	3	4	4	5
Denatured Alcohol	2	3	4	4.5
Naphtha	5	5	5	5
Bleach	5	5	5	5
TOTAL	62	73	70	77.5

Scale: 0—5 (5 = no effect), maximum score: 80

Exposure: 1 hour watch glass on absorbent felt. Panels cured 7 days. Crosslinked level: 5%

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EXTERIOR 450 & Exterior 450 Base Resin Exposure Results



**3 Year Exterior Exposure
Exterior 450 Base Resin
Florida 45° South Exposure**

TEST	Exterior 450 Base Resin CLEAR	Exterior 450 Base Resin Tinted BLUE
Initial Gloss (60/20)	67/14	65/10
Unwashed Gloss	7/1	7/1
General Appearance	7	7
Dirt Pick-Up	6	6
Mildew	8	8
Blistering	10	10
Grain Cracking	9	9
Flaking	10	10
Yellowing	10	10
Chalking	5	5
Total (80 max)	65	65

Substrate: Southern Yellow Pine
PVC: 17-18%
Base Resin Formula will differ from Exterior 450 formula due to additive package modifications, PVC, etc.

RESULTS: Exterior 450 and the Base Resin exhibit superior exterior durability, degradation resistance, color-fastness, film integrity, and longevity compared to industry-wide solvent base and water base standards.



TEST METHOD	RESULTS
Boiling Water Adhesion	PASS
Water Soak Adhesion	PASS
Dry Adhesion	PASS
Block Resistance	PASS
Muriatic Acid Resistance	PASS
Mortar Resistance	PASS

DRY TIME

Exterior 450 Semi-Gloss	Time (minutes)
To Touch	30—45 minutes
To Sand	45—60 minutes

Applied 1 MDFT
75°F, 25% RH
Rate of Dry will vary due to temperature and humidity.

FOR YOUR PROTECTION: Exterior 450 and the base resin (which controls the overall weathering and performance characteristics) has been extensively evaluated. The information and data in this publication are, to the best of our knowledge, reliable. The user should make their own tests to determine the suitability of these products for their own particular applications. However, because numerous factors affect results, General Finishes MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than the material conforms to its applicable current Standard Specifications. The statements herein, therefore, should not be construed as presentations or warranties. The responsibilities of General Finishes for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of material. Standard Specifications, although current at the time of publication, are subject to change without notice.

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