



PRE-CAT URETHANE

Performance Data

The industry leader in water based technology.

The following test data has been generated by Independent and internal testing. All data generated is considered typical and accurate, but can vary dependant upon film thickness, substrate, cure rate, application conditions and restrictions and accuracy of test protocol. Although considered accurate, data is designed as a guideline, and no warranty is implied. Testing should be done to confirm results.

Chemical Resistance:

3 coats of Pre-Cat Urethane Satin applied over birch veneer and cure 14 days at ambient temperatures. Test Protocol: 1 hour spot test using absorbent pad and covered watch glass. Score: 0-5 (5= No effect). Max Score: 85

Tap Water:	5
Catsup:	5
Mustard:	4.5
Coffee:	5
Iodine:	4
Hydrogen Peroxide:	5
Windex:	5
Formula 409:	4.5
Ammonia:	4.5
70% Isopropyl Alcohol:	3
Suntan Lotion:	5
DEET:	4
Ethanol:	3.5
Red Wine:	5
Methanol:	5
Naphtha:	5
6% Bleach:	5
Total Score: 76 / 85 = 89%	

Pre-Cat Urethane scores an EXCELLENT rating for chemical resistance. Meets KCMA protocol.

Other Chemicals Tested (1 hour covered spot test:, 0-5 scale, 5= No effect)

Acetone:	4.5
Formaldehyde:	5
60% Chromic Acid:	3
50% HCl:	5
40% Sodium Hydroxide:	5
Xylene:	5
Toluene:	4
85% Phosphoric Acid:	3
96% Sulfuric Acid:	2
Ethyl Acetate:	5

Lacquer Thinner Resistance:

Double Rub test, 25 Double Rubs scored
0-10 scale, 10= No effect.

Score: 9 (excellent Lacquer Thinner Resistance)

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Acetone Resistance:

Double Rub test, 25 Double Rubs scored 0-10 scale, 10= No effect.

Score: 9 (excellent Acetone Resistance)

Boiling Water Resistance:

20 minute Boiling Water test. Ceramic cup filled with boiling water is place on a coated panel with pool of boiling water on top. Panel is evaluated after 20 minutes for blushing, blisters, and ring marks. Panel is also evaluated for recovery.

Score: 8.5 (slight ring mark and very slight to no blush (panel specific)).

Enduro Pre-Cat Urethane scores and excellent rating for Boiling Water Resistance.

Hardness:

Konig Hardness rating using a Konig Hardness test machine. Material applied to aluminum panels and allowed to cure 14 days.

Score: 84 Konig

Abrasion Resistance:

Grit Fed Taber Abrader, CS-10F Wheels, 1000 g load. Reported in milligram loss. 0.00 = no wear.

Score: 7.9 mg (excellent wear properties)

