



Aquapon® WB Water Base Epoxy 98-1 Series and Primer 98-46 Series

Aquapon WB epoxy primer and finish is a versatile polyamide-epoxy system with the advantages of waterborne formulations. It is an excellent alternative to solvent-based epoxies in situations where a low odor, low VOC or fast drying epoxy is required. The hard, durable finish resists splashes and spills from corrosive solvents, acids, alkalis and salts. Aquapon WB provides superior abrasion and stain resistance in high-traffic areas.

B E N E F I T S

- Waterborne epoxy primer and finish
- User friendly - simple 1:1 mix ratio, no digestion time, easy to apply, soap & water cleanup
- Available in 2 sheens - gloss and semi-gloss
- Low odor and low VOC
- Reduced yellowing
- Quick-dry for time critical applications
- Available in wide a range of ready mixed and tintable colors
- Aquapon WB Interior Floor Coating 98-57/58 - recommended for use as a clear sealer and dust-proofer for concrete floors



Aquapon® WB Water Base Epoxy and Primer

TECHNICAL DATA

Recommended Uses

Recommended for use in commercial, institutional, or industrial environments that require a low odor, fast drying, durable polyamide-epoxy coating.

Gloss Level

Available in gloss (70+) and semi-gloss (40-60); 60° measurements

Dry Time: Primer

To Touch: 2.5 hours • To Handle: 11 hours
To Recoat: 16 hours (@ 77° F; 50% RH)

Dry Time: Finish

To Touch: 1 hour • To Handle: 7 hours
To Recoat: 16 hours (@ 77° F; 50% RH)

Mixed VOC

2.26 lbs./gal - 271 g/l*

Volume Solids

37.8% +/- 2%*

Weight Solids

51.8% +/- 2%*

* Product data calculated on mixed 98-1

Recommended Wet and Dry Film Thickness

Primer : Wet 7.6 - 10.2 • Dry 3.0 - 4.0 mils
Topcoat: Wet 5.3 - 7.9 • Dry 2.0 - 3.0 mils

Coverage

204 - 306 sq. ft. per gallon theoretical at recommended DFT

Thinning

Under normal conditions, thinning is not required. In low humidity or high temperatures, water may be added at up to 6 oz. per gallon to improve open time or flow and leveling.

Mixing Instructions

Mix both components thoroughly before combining. Under mechanical agitation, add the contents of comp. B to the correct comp. A. The mixed material will increase in viscosity. Agitate until the combined material is uniform.



The Evolution of High Performance

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H14003 (01/05)

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Printed in USA

Chemical and Solvent Resistance (ASTM D-1308)

The Aquapon WB system has very good resistance to splash and spillage of many chemicals and solvents. When compared with leading two-component, solvent-based polyamide-epoxy systems, Aquapon WB epoxy has similar resistance properties to the chemicals and solvents listed in the table. Evaluations of results are indicated by a scale ranging from 0 = Complete Failure to 10 = Excellent.

Test Solution				Results in Averages	
				Aquapon WB Epoxy	Solvent Epoxy Coatings
Acids	Conc. Hydrochloric 10% Phosphoric Conc. Phosphoric	10% Nitric	10% Sulfuric	8	8
Bases	50% Sodium Hydroxide 25% Sodium Hydroxide	10% Ammonium Hydroxide	10% Sodium Hydroxide	10	10
Salts	Sat. Na ₂ SO ₄ Sat. Ca(OCl) ₂ 10% Trisodium Phosphate	Sat. Na ₂ CO ₃ Sat. NaHCO ₃	Sat. CuSO ₄ Sat. Fe(NO ₃) ₃	10	10
Solvents	n-Butanol 1,1,1 Trichloroethane Gasoline	Machine Oil Iodine Chevron LD4	MIBK	7	9

AQUAPON WB TEST RESULTS

Taber Abrasion (ASTM D4060)	124.7 mg loss CS-10 Wheels 1000 Gram Load 1000 Cycle
Humidity (ASTM D2247)	2000 Hours - No Blistering
Pencil Hardness (ASTM D3363)	2-H at full cure
Salt Spray (ASTM B117)	1000 Hrs. - No Blistering 1/32" Creepage No Face Rusting Slight Rusting @ Scribe
Flexibility - Mandrel Bend	Pass - 1/8"
Scrub Resistance (ASTM D2486)	Pass 1600 Cycles
Elcometer Adhesion	>450 inch/lbs. over concrete >700 inch/lbs. over 98-46 primed steel
Yellowing (ASTM D1925)	Delta E .55 FMCI

For strictly regulated VOC markets or the most current technical data, check the technical data sheet on the website or phone number listed below.