



## ACC Water Borne Urethane

**Product Description-** ACC Water Borne Urethane is a color stable, water borne urethane used for coating or sealing. This is a thin mil application product ( Under 5 mils ). This product can have thin, multiple coats when trying to achieve a higher build. ACC Water Borne Urethane displays excellent UV weathering characteristics and is abrasion and chemical resistant

**Uses-** ACC Water Borne Urethane is used as a protective top coat over coating systems to enhance gloss and wear resistance... or as a semi gloss finish to diminish gloss. This product may be applied directly to properly prepared concrete, metal or wood. ACC Water Borne Urethane may be used as a carrier for the Anti Microbial additive.

### Physical Properties-

<u>Cured Film Properties</u>	<u>Test Method</u>	<u>Typical Value</u>
VOC Content	ASTM D3960	0%
Solids Content		62%
Shore Hardness	ASTM D2240	72D
Modulus of Elasticity, kpsi	ASTM 638	175-300
Flexural Strength	ASTM D790	-
Elongation	ASTM D638	3-5%
Tensile Strength, psi	ASTM D638	4400-7200
Taber Abrasion, mg loss. CM 17	ASTM D4060	25
Gloss, 60 Spec	ASTM D 523	85
Semi Gloss, 60 Spec	ASTM D 523	35
Pot Life (77° F)		3 Hours
Tack Free		1-2 Hours
Light Foot Traffic		3-4 Hours
Full Cure		7 Days
Recoat Window		6 Hours

### Limitations-

- This product will foam if applied too thickly in a single coat.

## Chemical Resistance-

### ASTM D3912 - Modified 21 day immersion exposure

The information in this chart is intended only as a guide. This information has been compiled from various sources believed to be reliable. To verify compatibility or suitability of this product in specific applications, the product should be tested under the specific service conditions. The ratings are for resistance at 77° F unless otherwise noted. Recommended Conditional means there will be some effect: swelling, discoloration, cracking. Wash down within one hour of spillage to avoid effects.

Recommended	R
Recommended/Conditional	RC
Not Recommended	NR

<u>Test Media:</u>	<u>Result:</u>	<u>Test Media:</u>	<u>Result:</u>
Acetic Acid, 100%	NR	Motor Oil	R
Acetone	RC	MTBE	-
Ammonium Hydroxide, 20%	R	MTBE (5%)/gasoline	-
Antifreeze/Water	RC	Muriatic Acid (10% HCL)	-
Brake Fluid (DOT 3)	RC	NaCl (10%)/water	-
Clorox 10%/water	RC	Phosphoric Acid (10%)	-
Diesel Fuel	R	Potassium Hydroxide (10%)	-
Gasoline	R	Skydrol	R
Hydrochloric Acid (10%)	RC	Sodium Hydroxide (50%)	R
Hydrofluoric Acid (10%)	-	Sodium Bicarbonate	-
Hydraulic Fluid	RC	Sugar/Water	R
Isopropyl Alcohol	-	Sulfuric Acid (10%)	RC
Lactic Acid	-	Sulfuric Acid (50%)	NR
MEK	NR	Toluene	R
Methanol	NR	Vinegar (5%)/water	R
		Water (180° F)	R

**Limitations-** Requires dry substrate. Consult **Advantage Chemical Coatings**

## Coverage Rates-

Theoretical Square Feet Per Gallon

Mils	5	10	15	20	30
	320	160	120	80	60

Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

## Packaging-

- 3 Gallon Kit: 1 Part A: 2 Part B ( Clear )
- 4 Gallon Kit: 1 Part A: 3 Part B ( Pigmented )

## Mixing-

**Clear - 1 Part A to 2 Part B,** Mix Part A with Part B, the mix approximately 1 to 1 with water. Less water may be added as required. Minimum water required is that amount that turns the A:B mixture from a paste into a workable low viscosity fluid.

**Pigmented - 1 Part A to 3 Part B,** Mix Part A with Part B, slowly mix approximately 50% with distilled water. Using non-distilled water may affect the final color due to contaminants in the water.

**Colors-** Contact Advantage Chemical Coatings

**Shelf Life-** One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

**Clean Up-** Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

**Safety-** Read Material Safety Data Sheets provided with all shipments. Additional copies are available upon request from **Advacoat** or your local dealer.

Basic safety for personal protection is:

- Long-sleeve overalls or disposable Tyvex overalls.
- Rubber gloves.
- Splash shield or safety glasses with splash guards.
- Rubber or leather boots.
- Do not use near high heat or open flame.
- Do not take internally.
- Keep out of the reach of children.

**Preparation-** Surface preparation will vary according to the type of complete system to be applied. For maximum bond directly substrate, a 80 grit mechanical diamond grind is recommended. Make sure to remove all contaminants, loose dirt and dust from surface. To go over an existing coating, use a floor machine with 80 grit sanding screens until existing coatings sheen is gone. Solvent wipe with micro fiber pads and denatured alcohol to remove any standing dust.

**Installation-** The mixed material can be applied by brush, roller or sprayed through a hopper gun. Maintain temperatures within the recommended ranges during the application and curing process. It is best to maintain a wet edge to avoid roller marks. This product can be applied at 350-500 square feet per gallon for best results. Additional coats may be required depending on specific requirements of final coating use.

**Technical Services-Sales and Customer Support 877-830-2628**

**Warranty- Advacoat.** Will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.