



Insl-x Industrial Coatings – 101 Paragon Drive · Montvale, NJ 07645 · 800-225-5554 · FAX 888-248-2143

## Aqua-Tron™ 2-Component Low VOC Water Borne Acrylic Polyurethane AU-06XX Series

Type	Sheen	Theoretical Spread Rate	Recommended Application	Thinner	Clean Up
Acrylic Polyurethane	High Gloss	300-350 Sq. Ft.	Airless or Air Spray, HVLP, Brush or Roll	Water	Water
<b>Touch Dry Time:</b> 2 Hr. @55°F 1 Hr. @77°F 30 Min. @100°F		<b>Min Recoat:</b> 9 Hrs. @55°F 3 Hrs. @77°F 1.5 Hrs. @100°F	<b>Max Recoat :</b> 3 Months @55°F 28 Days @77°F 14 Days @100°F		

<b>PRODUCT NAME:</b> <b>AU-06XX Series</b> <b>Aqua-Tron™ 2-Component</b> <b>Low VOC Water Borne</b> <b>Acrylic Polyurethane</b>	Aqua-Tron™ 2-Component Water Borne Acrylic Polyurethane is a two component, low VOC acrylic water-borne polyurethane coating consisting of an acrylic Component A and an aliphatic urethane pre-polymer component B converter. It is an extremely durable, chemically resistant finish with outstanding gloss retention properties. It can be used as an anti-graffiti coating. <b>This is a two-component product that must be mixed with the proper converter prior to application. Mix one short filled gallon of A with one quart of AU66BG (4:1). THIS PRODUCT IS NOT FOR IMMERSION SERVICE.</b>	
<b>WHERE TO USE:</b>	<b>Steel, Galvanized, Concrete, Aluminum, Drywall</b>	Typical market segments include Food and Beverage Processing, Industrial Maintenance, Paper and Pulp Processing, Transportation, Industrial Flooring, General Metal Finishing / Fabrication, Chemical Processing, Commercial Structures, Tank Exteriors and other areas requiring a long life, performance urethane.  Note: Coated surfaces may discolor under tires due to plasticizer migration.
<b>SURFACE PREPARATION:</b>	The performance of this product is directly dependent upon the degree of surface preparation employed. All surfaces must be sound, dry, clean and free of wax, oil, grease, dirt, mildew, mill scale, form release agents. <b>NEW SURFACES - STEEL:</b> Blast selection and choice of primer will be dependent on the severity of exposure and degree of protection required. Maximum protection will be attained using an SSPC-SP-10 Near White Metal Blast followed by one coat of Insl-x EP50xx Line Epoxy Primer and one or two coats of Aqua-Tron™ 2-Component Water Borne Polyurethane. Contact your Insl-x representative or Technical Service for recommendations on less severe applications. <b>CONCRETE AND MASONRY:</b> All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer's directions and safety instructions. Rinse thoroughly and allow to dry. Prime concrete with 1 coat of a High Performance Acrylic Block Filler, Stix Acrylic Bonding Primer or Aqua Lock Plus for vertical surfaces and for horizontal surfaces use EP54xx Insl-Tile Epoxy Mastic, EP53xx Insl-Tile Polyamide Epoxy or EP5500 100% Solids Epoxy Pre-Primer. <b>GALVANIZED AND NON-FERROUS METALS:</b> Solvent clean all surfaces. Apply one coat of WCP2000 Bonding Primer, or DMP91x Direct To Metal Primer. <b>PREVIOUSLY PAINTED SURFACES:</b> Can be applied over old thermoset finishes in good condition or if unable to determine existing coating, prime with Stix Acrylic Bonding Primer or AQ0400 Aqua Lock Plus.	
<b>APPLICATION:</b>	Mix ratio is 4:1. Separately mix the "A" & "B" components thoroughly before mixing together. The use of a drill mixer at low speed will best accomplish this task. Add the full contents of the quart size "B" component to the "A" and thoroughly mix the two together. This product may gel when first mixed. If this occurs, please thin mixed product with 10% clean water. After mixing, the usable pot life is approximately 90 minutes. At elevated temperatures, pot life will be shortened. Caution: Product must be mechanically mixed. Hand mixing will not blend components properly. Thin with 10% clean water after induction time.  Do not apply Aqua-Tron™ Acrylic Polyurethane if air or surface temperatures are below 50°F or above 95°F, or in relative humidity levels greater than 85%, or if surface or air temperatures are within 5 degrees of the dew point. Product should be allowed to dry tack free prior to air or surface temperatures being within 5 degrees of the dew point.  Apply using brush, roller or sprayer. If rolling, use ½" lambs wool or ¼" – ½" synthetic roller cover. Keep roller wet. Do not over roll. Clean equipment promptly after use with water.  If thinning is necessary, thin sparingly and only with water.	

**TAB #03**  
**Aqua-Tron™ 2-Component**  
**Low VOC Water Borne Acrylic**  
**Polyurethane**  
**AU-06XX Series**  
**Rev. 11/09**

<b>*NOTE ON SPREAD RATE:</b>	Actual spread rate will vary based upon numerous factors, including texture of the substrate, application method, waste, surface porosity and thinning. The Theoretical Spread Rate listed on this document has not taken into account these factors and is only based upon the volume solids of this product and the recommended wet film thickness when applied to a smooth substrate.	
<b>STORAGE:</b>	12 months at 77°F in original unopened container. Prolonged storage at higher temperatures can shorten the shelf life. Store in dry, shaded area, away from heat and ignition sources. Protect from frost.	
<b>TINTABILITY:</b>	Aqua-Tron™ 2-Component Water Borne Polyurethane is available in 0610 White and 0600 Clear. DO NOT ADD COLORANT! Custom colors available in 100 gallon plus lots. Semi-Gloss colors also available in 100 gallon plus lots.	
<b>RESIN TYPE:</b>	Acrylic Polyurethane	
	<b>Clear</b>	<b>White</b>
<b>VOLUME SOLIDS (Mixed A+B):</b>	43.1 ± 1.0%	53.3 ± 1.0%
<b>WEIGHT PER GALLON (Mixed):</b>	8.9 lbs.	10.5 lbs.
<b>MIX RATIO:</b>	4:1	4:1
<b>INDUCTION TIME:</b>	15 min. @ 77°F	15 Min. @ 77°F
<b>POT LIFE:</b>	90 Min. @ 77°F	90 Min. @ 75°F
<b>FLASH POINT:</b>	200 deg F or greater	200 deg F or greater
<b>SPECULAR GLOSS:</b>	70+ units @ 60°	70+ units @ 60°
<b>WET FILM THICKNESS:</b>	4.6 to 5.3 mils	4.6 to 5.3 mils
<b>DRY FILM THICKNESS:</b>	2.0 to 2.3 mils	2.3-2.7 mils
<b>VOC/VOS STATEMENT:</b>	This product contains a maximum of 20 grams (.03#) of VOC/VOS per liter of coating for Clear and 10 grams (.01#) of VOC/VOS per liter of coating for White.	
<b>OTC CATEGORY:</b>	This product is compliant under the Ozone Transport Commission regulations.	
<b>CAUTIONS:</b> (These statements are based upon a 4:1 mixture of AU0610 and AU66BG. The use of different colored "A" components and/or different "B" components will dictate different statements. Please consult the labels of each component for proper warnings.)	<p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;">HARMFUL OR FATAL IF SWALLOWED. VAPOR AND SPRAY MIST HARMFUL. MAY CAUSE LUNG IRRITATIONS AND ALLERGIC RESPIRATORY REACTIONS. EFFECTS MAY BE PERMANENT. IRRITATES SKIN AND EYES.</p> <p style="text-align: center;">CONTAINS: Hexamethylene Diisocyanate.</p> <p>Keep away from heat, sparks, and flame. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. Use a vapor respirator that is effective for isocyanate vapors and mists during application and until work areas have been exhausted of all vapors and spray mists. If adequate ventilation is not available, wear a positive pressure air –supplied respirator (NIOSH/MSHA TC23C or equivalent) during application and until all vapors and spray mist are exhausted. Do not get into eyes or on skin. Individuals with chronic respiratory or prior respiratory reactions to isocyanates must not be exposed to mists or vapors containing isocyanates. Close container after each use.</p> <p>In case of spillage, absorb then dispose of in accordance with local regulations. <b>First Aid:</b> If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call a physician; for skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call physician immediately and have label information available.</p> <p style="text-align: center;">USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.</p> <p>In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Call physician immediately and have label information available.</p> <p>NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.</p> <p><b>HMIS VALUE:      H = 2              F = 0              R = 0              PP = F</b></p> <p style="text-align: center;"><b>Obtain and read the MSDS prior to using this product.</b>  <b>KEEP OUT OF REACH OF CHILDREN</b></p>	

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**TEST DATA**

<b>Accelerated Weathering (ASTM G53) 1000 Hours</b> 1 coat EP50xx Primer, 2 coats AU06xx Series	95% Gloss Retention <0.25DE Color Change (CMC)
<b>Salt Fog Resistance (ASTM B117) 2000 Hours</b> (Same system as above)	Rust Breakthrough – 10 Rating
<b>Abrasion Resistance (ASTM D4060) Taber (CS-10 Wheel, 1000g load, 1000 cycles)</b>	80 mg. loss
<b>Dry Heat Resistance</b>	200°F
<b>Wet Heat Resistance</b>	125°F
<b>Adhesion (ASTM D3359)</b>	5 B
<b>Flexibility (ASTM D1737)</b>	Pass ¼" Mandrel

**CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)**

<b>Fresh Water</b>	Excellent
<b>Salt Water</b>	Excellent
<b>Acids</b>	Excellent
<b>Alkalis</b>	Excellent
<b>Solvents</b>	Excellent
<b>Fuel</b>	Good
<b>Acidic Salt Solutions</b>	Excellent
<b>Alkaline Salt Solutions</b>	Excellent
<b>Neutral Salt Solutions</b>	Excellent

**QUALIFICATIONS**

USDA Qualified for Incidental Food Contact

**SYSTEMS RECOMMENDATIONS**  
**COMPATIBLE PRIMERS & INTERMEDIATES**

PRIMERS: WCP2000, EP50xx, EP5500, DMP91x, MP90xx, Acrylic Block Filler, SXA110, AQ0400, ATP Series
INTERMEDIATES: MCO-111, EP58xx, EP54xx
For primers / intermediates other than listed above, or for usage in severe environmental conditions, please consult with Insl-x Industrial Coatings technical service.

**WARRANTY**

Insl-x warrants its products to be free from defects in materials and workmanship. Insl-x's sole obligation and the purchaser's exclusive remedy shall be limited, at Insl-x's option, to either replacement of nonconforming products or credit to the purchaser's account in an amount not greater than the original purchase price of the nonconforming products. Any claim under this warranty must be made by the purchaser, in writing to Insl-x, within ten (10) days of the purchaser's discovery of the claimed defect, but not later than the expiration of the applicable shelf life, or one year from the original delivery date, whichever is earlier. Purchaser's failure to notify Insl-x of any nonconformance as required shall bar the purchaser from recovery under this warranty.

Insl-x makes no other warranties, expressed or implied, such as merchantability or fitness for a particular purpose concerning its products. In no event shall Insl-x be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the usage of products made by Insl-x, whether in the form of literature, data, or in response to specific inquiry, or otherwise is based upon information believed to be reliable; however the products and information are intended for use by skilled and knowledgeable purchasers, and is therefore for the purchaser to satisfy itself of the suitability of the products for its own specific use, and it shall be deemed that the purchaser has done so, at the sole discretion and risk. Variation in application conditions, ambient conditions or extrapolation of information may cause unsatisfactory results.

**LIMITATION OF LIABILITY**

Insl-x's liability on any claim, including claims based upon negligence, or strict liability for loss, or damage arising out of, connected with, or resulting from the use of products, shall in no case exceed the purchase price of the products directly giving rise to the claim. In no event shall Insl-x be liable for consequential or incidental damages.

**THINNING RECOMMENDATIONS:**

Do not thin more than local regulations allow.

**DO NOT USE THINNERS OTHER THAN WATER**

**NOTES**

All high gloss surfaces can be slippery. Where non skid properties are required a Non-skid aluminum oxide additive such as Insl-x GX-1000 should be used. Silica sand can be used for foot traffic, but will "crush" under heavier loads. Coating will stain with prolonged exposure to brake fluid and some other solvents or in a kennel if exposed to animal waste. This staining will not affect the durability or protective qualities of the coating.

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NOTES:

**PACKAGING:**  
***Gallon Kits Only***

1 Short Filled Gallon Container Component "A" (4 per case)  
+ 1 Quart Container Component "B" (4 per case) (both short filled)