



## AU1 AQUASURF ULTRA™ Waterborne Universal White Primer

AU1 AQUASURF ULTRA™ is a self-crosslinking, acrylic based primer designed specifically for MDF and hardwoods. It is low VOC, and free from HAPs, formaldehyde, and isocyanates. It is fast drying, easy to sand and exhibits high filling properties. AU1 AQUASURF ULTRA™ provides an excellent base coat for a variety of KCI topcoat systems including waterborne, pre-catalyzed lacquer, post-catalyzed coatings, conversion varnishes and urethanes. It is especially well suited for use with AEW Series AQUA-ELITE™ Waterborne Acrylic White Topcoats as part of a high-quality interior wood finishing system.

This product is part of the KCI GREENSTAR™ family of environmentally friendly coatings. KCI GREENSTAR™ products feature outstanding performance and meet or exceed all of the latest North American environmental standards. See the GREENSTAR™ Eco-Friendly Product Information Sheet for further details.

### SUGGESTED APPLICATIONS

- Interior trim and millwork
- Office furniture
- Household furniture
- Cabinets
- Kitchen and bath components
- High demand furniture

### KEY PERFORMANCE FEATURES

- Low odour, low VOC, HAPs free
- Formaldehyde and isocyanate free
- Excellent MDF and hardwood adhesion
- Chemical and moisture resistant
- Excellent flow and levelling
- Excellent filling properties
- Fast dry and easy sanding

### RELATED PRODUCTS

AQUA-ELITE™ Waterborne Acrylic Topcoats  
896 Series WB Colourants  
All KCI solvent based topcoats



### PHYSICAL PROPERTIES

|                  |  |
|------------------|--|
| Available Sheens | n/a                                    |
| Weight Solids    | 60% ± 2                                |
| Volume Solids    | 43% ± 2                                |
| Viscosity        | 70-90" @ 25°C Ford 4                   |
| Specific Gravity | 1.4547 ± 0.01 gms/cc @ 25°C            |
| VOC              | 103 g/l                                |
| Typical coverage | 10-12 m <sup>2</sup> / ltr @ 1 mil dry |

### ADDITIONAL CHARACTERISTICS

|              |  |
|--------------|--|
| Catalyzation | Not required   |
| Pot-Life     | n/a  |
| Reduction    | 5% by volume with water  |
| Retarder     | n/a  |
| Clean-up     | Water; if deeper clean is required, flush equipment with alcohol |
| Shelf-life   | 6 months from date of manufacture                                |

### Dry Times

26°C (~78°F) 50% RH

|               |               |
|---------------|---------------|
| To Touch      | 10-15 minutes |
| To Sand       | 30-45 minutes |
| To Stack/Pack | 24 hours      |

Note: Drying times will decrease at higher temperatures/lower humidity and will increase at lower temperatures/high humidity

**COLOUR DEVELOPMENT** – AU1 AQUASURF ULTRA™ Waterborne White Primer can be tinted with 896 Series Colourants up to a maximum of 5% by volume. For deep tinted systems use AU2 AQUASURF ULTRA™ Waterborne Neutral Primer (refer to TDS for instructions).

**COATING PREPARATION** - Ensure product is stirred well and brought to room temperature before use. Product may be sprayed by conventional, airless and air-assisted airless spray. Add water as required for application. Do not exceed 5% by volume.

**SURFACE PREPARATION** - Wood surface should be clean, dry and free from any oil or grease. Sand surface smooth with 150-180 grit sandpaper. For easier primer application, seal routed MDF areas with a KCI AE Series AQUA-ELITE™ Waterborne Acrylic Clear Topcoat. Allow to dry 30-60 minutes at room temperature and sand coated areas with 240-320 grit sandpaper.

**APPLICATION** - This product is designed to be applied in ambient conditions of 12-32°C (~55-90°F) and below 50% relative humidity.

Prime the entire surface at a rate of 4 to 5 mils wet. Dry 30-60 minutes at room temperature and sand the entire surface with 240-320 grit sandpaper. Proper sanding is critical to produce a smooth finish and promote adhesion between the primer and topcoat. If required, apply a second full coat of AQUASURF ULTRA™ at 4-5 wet mils and allow to dry 30-60 min. Sand with 240-320 grit sandpaper and apply AEW Series AQUA-ELITE™ or selected KCI solvent borne topcoats.

**SAFETY** – During application, always wear eye protection, gloves and appropriate work clothing to minimize contact. Use a respirator and safety glasses at all times when spraying. This product is freezable. Protect from freezing. Keep containers tightly closed and do not expose to extreme temperatures.

## AU1 AQUASURF ULTRA™ Waterborne Universal White Primer (cont'd)

### PERFORMANCE TESTING / FILM CHARACTERISTICS

All performance testing is based on a composite of ASTM, AWI, ANSI and KCMA Standards.

KCI's AU1 AQUASURF ULTRA™ Waterborne Universal White Primer is made from the same high-quality self-crosslinking acrylic waterborne resins found in KCI's AEW Series Aqua-Elite™ Waterborne Acrylic White Topcoats.

Using this product as a seal coat does not detract from the performance attributes of the overall system.

See the technical data sheets for KCI's AEW Series White Topcoats or selected solvent borne topcoats for detailed performance testing results.

**DISPOSAL** - Disposal of chemicals and their solutions should be done according to local, provincial and federal regulations. Safety Data Sheets are available and should be consulted when handling products. These products are for industrial and professional use only; Application directions must be followed.

**WARRANTY** – Katilac Coatings Inc. warrants that its products are free from defects in manufacture for a period of one (1) year from date of purchase, if used prior to expiration date and applied and used in accordance with Katilac Coatings' most current published specifications applicable to such products. Katilac Coatings Inc. expressly disclaims all other warranties, express or implied, including the implied warranties of merchantability and fitness for purpose. Katilac Coatings Inc. disclaims all liability for incidental, consequential or indirect damages of any nature whatsoever. This warranty cannot be changed or modified whether by course of dealing, custom or trade or otherwise, unless agreed to in writing by Katilac Coatings Inc.



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