



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-A36

KEM AQUA® 5431

Acrylic Latex Tannin Blocking Primer

Off White..... E60WL628

| DESCRIPTION | CHARACTERISTICS | SPECIFICATIONS |
|---|--|--|
| <p>KEM AQUA® 5431 Acrylic Latex Tannin Block Primer is an acrylic latex, force dry primer for interior and exterior wood products. This easy sanding primer is designed to block tannin bleed common in many types of wood species such as redwood, western cedar, eastern white pine, oak, poplar and fir. Typical end use applications include preserved wood products such as siding, window parts, door jambs, fascia board, shutters and millwork trim where tannin staining is a concern.</p> <p>Advantages:</p> <ul style="list-style-type: none">• Excellent tannin blocking properties• Excellent water resistance• Can be tinted with KEM AQUA® Colorants up to 2 ounces per gallon• Easy filling and sanding properties• Single component - no catalyzation• Meets WDMA 11-06 performance• Force dry primer - Quick drying and block resistance• May be topcoated with coatings such as KEM AQUA® BP Enamel, KEM AQUA® BP Siding Plus and KEM AQUA® BP Pro <p>Air Quality Data:</p> <ul style="list-style-type: none">• Non-photochemically reactive• Volatile Organic Compounds (VOC)* Theoretical as packaged maximum, less exempt solvents, 1.29 lb/gal, 155 g/L• Volatile Hazardous Air Pollutants (VHAPS) as packaged, 0.0 lbs/lb of solids <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> | <p>Gloss: Flat</p> <p>Volume Solids: 37 ± 2%</p> <p>Weight Solids: 52 ± 2%</p> <p>Viscosity: 31-38 seconds #3 Zahn Cup</p> <p>Recommended film thickness: Mils Wet 4.0 7.0 Mils Dry 1.5 - 2.6</p> <p>Spreading Rate (no application loss) 595 sq ft/gal @ 1.0 mils DFT</p> <p>Drying (77°F, 50% RH): Must be force dried Flash Off: 1 minute Force Dry: 15 minutes at 120°F Must be force dried. Allow at least one minute flash off prior to force drying. Longer flash off times require the use of Glycol Ether, DPNB co-solvent up to 5% maximum.</p> <p>After force dry: To Touch: 10 minutes To Handle: 15-20 minutes To Sand: 30-40 minutes To Pack: overnight</p> <p>Good air movement and humidity control are necessary for proper drying of water reducible coatings. When humid shop conditions exist, lower relative humidity is achieved only by raising the temperature 10-30°F and ventilating out the excess moisture. Do not exceed the heat distortion temperature of the substrate.</p> <p>Flash Point: N.A.</p> <p>Package Life: 1 year, unopened</p> <p>pH: 4.0-6.0</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.</p> | <p>Wood (interior and exterior): Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties. Moisture content of wood should be 8 to 12%.</p> <p>Previously finished wood (interior and exterior): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.</p> <p>Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.</p> |

APPLICATION

Typical Setups

Reduction: Apply full body. If needed reduce up to 5% with water. To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

Conventional Spray:

Air Pressure..... 8-10 psi
Fluid Pressure 10-15 psi
Tip 042-.070

Airless Spray:

Pressure1500 psi
Tip013-.017"

Air Assisted Airless:

Air Pressure..... 10-20 psi
Fluid Pressure800-1200 psi
Cap/Tip..... 011-.015

HVLP:

Air Pressure..... 8-10 psi
Fluid Pressure 10-15 psi
Cap/Tip..... 042-.070

Cleanup:

Clean tools/equipment immediately after use with water followed by solvent cleaning of spray cap with MEK, R6K10 or Acetone, R6K9.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- Protect from freezing. Store indoors at temperatures between 50-95°F
- Do not mix this product with any other paint products. Before and after spraying lines must be flushed with water.
- Do not use 2-Butyethanol, R6K25, with this product.
- Higher humidity will slow drying.
- Spray wet film for good film integrity.
- Do not exceed 3.0 mils total dry film to avoid mud cracking and improper drying.
- Use low to moderate atomization pressures to minimize bubbling and air entrapment.
- The customer is urged to pretest the system under shop conditions.
- Do not shake or agitate violently because of tendencies to foaming and air entrapment.
- Slip sheet board before packing and stacking face to face.
- Tank, piping and containers should be lined steel or plastic
- May be tinted with up to 2 ounces per gallon of KEM AQUA® Colorants.

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CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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