

Product Finishes

Provisional Data Page CC-UC1



ULTRA-CURE[®] Pigmented Waterborne U.V. Topcoat

V86WHxxx Series Topcoats
Custom BlendV86xx Series

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>ULTRA-CURE[®] Pigmented Waterborne UV Topcoats are advanced UV cure technologies that are developed to meet the customer's finish performance and application line requirements. These waterborne topcoats are designed to be used as a self-seal coating system and are ideal for flat line application on interior wood products. These high performance coatings can be custom color matched to a desired gloss range at any of our dedicated, UV Cure locations. Typical end use applications include Kitchen Cabinets, Residential and Commercial Furniture, Moldings. Please contact a local Sherwin-Williams Product Finishes representative near you for details.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Low VOC, less than 1.0 lb/gal • No reportable VHAPS • Self-sealing • Improved non-yellowing performance • Available in clean bright white and a wide range of custom color options. • Passes KCMA test criteria for finishes • Ideal for flat line application for a variety of interior wood markets and uses. • Local service = faster turn on color matches. 	<p>Theoretical</p> <p>Disclaimer: The characteristics provided herein describe a typical product from this series. Formula customization may impact product characteristics. Contact your Sherwin-Williams Product Finishes sales representative for details.</p> <p>Volume Solids: 35-50 ± 1% Weight Solids: 32-38 ± 1% Viscosity: 22 – 34 Sec #2 Zahn Cup @ 77° F</p> <p>Recommended film thickness: Mils Wet 3.0 – 4.0 Mils Dry 1.1 – 1.7 Maximum dry film thickness for total system is 3.5 to 4.0 dry mils.</p> <p>Spreading Rate (No Application Loss) 640-675 sq ft/gal @ 1.0 mils DFT</p> <p>Recommended Radiation Level: Band A: 910 mJ/cm² Band B: 933 mJ/cm² Band C: 153 mJ/cm² Band V: 1129 mJ/cm²</p> <p>Lamp Requirements: Gallium and Mercury vapor lamps must be utilized in conjunction with each other to promote cure. Gallium lamp must be the first lamp utilized followed by the mercury vapor lamp.</p> <p>Flash Point: 200° F PMCC Package Life: 3 months, Unopened Storage: Between 45°- 90° F Keep out of direct sunlight</p> <p>Air Quality Data:</p> <ul style="list-style-type: none"> • Non-Photochemically Reactive • Volatile Organic Compounds (VOC) theoretical, maximum, less exempt solvents as packaged: < 1.0 lb/gal, 120 g/l • Volatile Hazardous Air Pollutants (VHAPS) as packaged: No reportable VHAPS <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.</p>	<p>Wood (Interior Only): 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 6 to 8%.</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

May be applied by:

Air Assisted Airless

Atomization Pressure 30
Fluid Pressure 800 lbs
Cap/Tip 09-156
Reducer Deionized or RO Water
Reduction 5-10%

Cleanup:

Clean tools/equipment immediately after use with water and alcohol. Follow manufacturer's safety recommendations when using any solvent.

Reclaim:

Suitability of the use of reclaim is the responsibility of the customer. Due to various environmental conditions, reclaim should be evaluated before use.

If utilizing reclaim, the reclaimed material must be reduced with RO or distilled water, to initial viscosity and mixed 50-50 with virgin material for best performance.

Reclaim should never be recovered more than once to prevent coating premature polymerization. Use reclaimed material within a 24-48 hour period after appropriate dilution specified above.

ADDITIONAL INFORMATION

- Not recommended for exterior use.
- Must use stainless steel equipment.
- Constant agitation is required to maintain uniform color.
- Do not use as stand alone product.
- Multiple coats required for complete hide.
- **Storage Conditions:** Keep out of direct sunlight, Store above 45° F – 90F
- Maximum Total film: 3.0 mils

Topcoat Color Development:

- Maximum tint load cannot be given based on individual colors.
- Maximum tint load must be determined based on through cure and adhesion testing on specific color.
- See color matching guide supplied to facility for color matching procedures.

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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