



**SHERWIN  
WILLIAMS.**

# Industrial Wood Coatings

CC-E26

## KEM AQUA® BP Siding Plus

White .....M64WL560  
Red Oxide .....M64RL563  
Green .....M64GL566

Blending Clear .....M64CL561  
Yellow Oxide.....M64YL564  
Bright Red.....M64RL567

Black.....M64BL562  
Blue .....M64LL565  
Bright Yellow.....M64YL575  
Custom Blend .....M64SP Series

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p><b>KEM AQUA® BP Siding Plus</b> is a product family of monochromatic topcoats designed for OEM application to building products designed for exterior applications. This series of monochromatic colors are used to intermix for customer specific colors or tinted with KEM AQUA® Solar Reflective colorants for temperature sensitive substrates. Suitable for use on CPVC, wood, fiberglass pultrusions, fiber cement, paper overlaid OSB, and many composites typical to building products.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"><li>• Good gloss and color retention</li><li>• Interior and exterior use</li><li>• Wide application window for wet milage.</li><li>• Mar and scuff resistance that improves with full cure after 7 days.</li><li>• Can be blended with up to 8 oz/gal KEM AQUA® Solar Reflective colorants for temperature sensitive substrates exposed outside.</li></ul> <p>VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> <p><b>Air Quality Data:</b></p> <ul style="list-style-type: none"><li>• Non-Photochemically reactive</li><li>• VOC theoretical as packaged, maximum less water and exempt solvents 1.07 lb/gal, 129 g/L</li><li>• VOC maximum emitted 0.43 lbs/gal 51 g/l</li><li>• VHAPS as packaged 0.00 lbs/gal solids, 0.0 g/L solids</li></ul> <p>An Environmental Data Sheet is available from your local Sherwin Williams facility or at <a href="http://www.paintdocs.com">www.paintdocs.com</a></p>	<p><b>Gloss 60°:</b> 12 - 18 on leneta card with 3 mil drawdown</p> <p><b>Volume Solids:</b> 33- 39 ± 1% calculated</p> <p><b>Package Viscosity:</b> 24 – 42 Sec #3 Signature Zahn Cup, varies by color 65-75 KU</p> <p><b>Recommended film thickness per coat:</b> Mils Wet 6.0 mils minimum Mils Dry 1.9 mils minimum</p> <p><b>Spreading Rate</b> (no application loss) 280 - 330 sq ft/gal @ 1.9 mils DFT</p> <p><b>Drying</b> (77°F, 50% RH): To Touch: 10 – 15 minutes To Handle: 40 – 50 minutes To Recoat: No critical recoat (sand between coats) To Topcoat: As soon as able to handle To Pack: Depends on line and factory conditions Force Dry: 3-5 minutes flash then 25-30 minutes at 140°F Results are dependent on line and factory conditions</p> <p>Do not exceed the heat distortion temperature of the substrate. A cool down period is necessary after cure on coating line before packaging. Slip sheeting is recommended especially for fiber cement and heavy or abrasive substrates. Good air movement and humidity control are necessary for proper drying of water reducible coatings. Cold moist conditions prolong cure.</p> <p><b>Flash Point:</b> &gt;199°F</p> <p><b>Package Life:</b> M64LL565 6 months, unopened All others, 12 months, unopened</p>	<p><b>General:</b> Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination. Low energy substrates could benefit from surface passivity treatments to ensure optimum adhesion and coating performance properties. Consult industry suppliers for detailed rec- ommendations.</p> <p><b>Plastic/composites:</b> A solvent wipe (IPA or Acetone) is recommended. Due to the diverse nature of plastic/composite substrates, a coating or coating system must be tested for acceptable adhesion to the substrate prior to use in production. Reground and recycled plastics along with various fire retardants, flowing agents, mold release agents, and foaming/blowing agents will affect coating adhesion. A filler or primer/barrier coat may be required. Please consult your Sherwin-Williams Sales Representative for system recommendations.</p> <p><b>Wood (interior):</b> Must be clean, dry, and finish sanded. Use of interior millwork primer is recommended for priming. Substrate should be free of any contamination to ensure optimum adhesion and coating performance properties. Moisture content of wood should be equilibrated to plant conditions to minimize warping from application and cure procedure.</p> <p><b>Wood (Exterior) –</b> Must be primed clean, dry, and finish sanded with 240 – 320 grit paper. Use suitable exterior quality millwork primer. Due to the nature of wood and use of various primers these products should be thoroughly tested for exterior performance.</p> <p><b>Fiber Cement :</b> Check pH prior to application. The recommended pH range is 6-13. An additional coat of suitable primer in addition to factory applied primer is recommend followed by one or two coats of basecoat. Clears or translucent colors require two coats of Siding Plus.</p>

## **SPECIFICATIONS**

**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.

## **APPLICATION**

Typical Setups

### **May be applied by:**

Airless Spray  
Air Assisted Airless

Spray and Flood Coater coating have been tested. Other methods are under evaluation and include Tallman Pneumatic, Direct Roll, and Curtain coating.

### **Airless Spray:**

Pressure .....1000 - 1800 psi  
Tip.....Dependent on line speed

### **Air Assisted Airless:**

Air Assist Pressure.....20- 30 psi  
Fluid Pressure.....200-600 psi

### **Cleanup:**

Clean tools and equipment immediately after use with a mixture of water and 2-Butoxyethanol (R6K25). Flush equipment with solvent to prevent rusting.

Follow manufacturer's safety recommendations when using solvents.

## **ADDITIONAL INFORMATION**

- All colors for heat sensitive substrates (Vinyl, PVC, etc) **MUST** be submitted to the Building Products Lab for TSR and HBU testing and approval before the product is used in customer production environments. **Contact Building Products Lab or Building Products Marketing for further details.**
- Bright Yellow (M64YL575) and Bright Red (M64RL567) are intended for interior applications. Use of these colorants for exterior applications should be evaluated on a case by case basis
- Please consult your Sherwin-Williams Representative to discuss use for exterior applications.
- Do not use M64CL561 (Blending Clear) as a stand alone clear finish. It is intended to be used for custom blending.
- M64TL500 KEM AQUA® BUILDING PRODUCTS BLENDING GLAZE is a product designed for OEM application to building products designed for exterior applications. It can be used on fiber cement & paper overlayed OSB. This product is intended to be mixed with BP Enamel Mono's and BP Siding Plus Mono's. Product should be mixed with BP-Siding Plus Mono's to achieve desired color. Lighter colors should be mixed at 1 to 1 while darker color may take up to 2 parts clear to 1 part base.
- For optimal cure and performance it is recommended to force dry after a 3-5 minute flash for 25-30 minutes at 140°F. If air drying, it is recommended to keep the ambient temperature >50°F during application, dry and cure.
- Protect from freezing. Store inside between 45° - 90°F.
- Do not apply below 60°F. Recommended application temperature is 60° - 90° F

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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](http://www.paintdocs.com).

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

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