



**SHERWIN  
WILLIAMS.**

## Product Finishes

CC-E38

# KEM AQUA® BP Siding Select

White ..... M64WL0580  
Red Oxide ..... M64RL0583  
Green ..... M64GH0506

Blending Clear.....M64CL0581  
Yellow Oxide .....M64YL0584  
Bright Red .....M64RH0507

Black .....M64BL0582  
Blue .....M64LL0585  
Bright Yellow.....M64YL0588  
Custom Blend.....M64SS Series

### DESCRIPTION

**KEM AQUA® BP Siding Select** is a premium waterborne single-component monochromatic coating for wood and composite siding and building products. It is formulated with polyurethane dispersion technology and is available in a wide range of colors using monochromatic bases. Colors can also be made utilizing KEM AQUA® Solar Reflective colorants for temperature sensitive substrates. Kem AQUA® BP Siding Select is ideal for (but not limited to) primed wood, primed LP Smartside®, primed fiber cement, polymer composite and other composite substrates common to building products.

#### **Advantages:**

- Excellent gloss and color retention
- Enhanced pigment platform with UV absorbers
- Formulated for a wide range of application tolerances
- Available in a wide range of colors with consistent performance across many substrates
- Excellent mar and scuff resistance
- Designed for exterior use. Can also be used for interior applications.

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at [www.paintdocs.com](http://www.paintdocs.com).

\*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

### CHARACTERISTICS

Typical of M64WL580 White

**Gloss 60°:** 12 - 18 units

**Volume Solids:** 39 ± 1% calculated  
varies by color

**Package Viscosity:** 24 – 42 Sec #3  
Signature Zahn Cup,  
varies by color

#### **Recommended film thickness per coat:**

Mils Wet 5.0 mils minimum  
Mils Dry 1.9 mils minimum

**Spreading Rate** (no application loss)  
327 sq ft/gal @ 1.9 mils DFT

#### **Drying** (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: 16 hours  
Force Dry: 3-5 minutes flash then  
cure with high velocity  
air for 25-30 minutes at  
140°F  
Results are dependent  
on line and factory con-  
ditions

Do not exceed the heat distortion tempera-  
ture of the substrate.

**Flash Point:** >199°F Pensky-Martens  
Closed Cup

**Package Life:** M64LL0585, 6 months,  
unopened  
All others, 12 months,  
unopened

### REGULATORY

#### **Air Quality Data:**

- Non-Photochemically reactive
- VOC\* theoretical as packaged, maximum,  
less water and exempt solvents: 1.07 lbs/  
gal, 129 g/L
- VOC maximum emitted 0.43 lbs/gal, 51 g/L
- VHAPS as packaged  
0.00 lbs/gal solids, 0.00 g/L solids

### APPLICATION

Typical Setups

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

Spray, flood coater, direct roll coater  
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

#### **Flood coater, direct roll coater, curtain coater:**

Consult SW representative to discuss  
specific line settings

#### **Cleanup:**

Clean tools and equipment immediately  
after use with MEK (R6K10).

Follow manufacturer's safety recommen-  
dations when using solvents.

If no solvents are available, a 5-10%  
ammonia in water blend is suggested

## SPECIFICATIONS

**General:** 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 recommendations.

**Plastic/composites:** 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. Re-ground 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.

**Wood (interior):** 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.

**Wood (Exterior) –** 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.

**Fiber Cement:** 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 recommended followed by one or two coats of basecoat.

**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.

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## 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.**

Please consult your Sherwin-Williams Representative to discuss use for exterior applications.

- Do not use M64CL581 (Blending Clear) as a stand alone clear finish. It is intended to be used for custom blending.
- Solar Reflective colors are made blending M64WL0580 White and M64CL0581 Clear with up to 8 oz/gal Kem Aqua® Solar Reflective colorants for temperature sensitive substrates. Detailed information on SR products is available.
- Settling may occur during storage. Shake or mix well before using
- Kem AQUA® BP Siding Select requires complete evaluation including application and performance for each end user on each substrate to qualify for use
- Intended for OEM applicators only
- Protect from freezing. Store inside between 45°- 90°F.
- Do not apply below 60°F. Recommended application temperature is 60° - 90° F
- Good air movement and humidity control are necessary for proper drying of water reducible coatings. Cold and moist conditions prolong cure dramatically if conditions are near dew point. Seven days is necessary for full cure. Slip sheeting is recommended especially for fiber cement and heavy or abrasive substrates. Packaging should allow finished products to breath to allow excess moisture to escape.

## 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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