# Industrial Wood Coatings

CC-F68

# SHER-WOOD® KEM AQUA® *Plus* Waterborne Sealer

Clear .....T65F550
Custom Blend……...T65PX Series

## DESCRIPTION

**SHER-WOOD® KEM AQUA® Plus Waterborne Sealer** is a water-based sealer developed to promote increased film clarity in systems sealed and topcoated with Sher-Wood water based products.

**Advantages:**

- Sher-Wood Kem Aqua Plus Waterborne Sealer yields the warm look of a solvent borne sealer when applied to bare or stained wood
- Excellent film clarity for increased grain definition
- User friendly - easy to handle
- Dries to handle and sand in 30 minutes at room temperature
- Minimizes tannin bleed discoloration when used with Sher-Wood Kem Aqua Plus Clear topcoat
- Good flow and leveling
- Reduces with water*
- Meets Kitchen Cabinet Manufacturers Association (KCMA) tests with Kem Aqua Plus Clear topcoat (T75C555 series)

**Air Quality Data**:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged maximum, less water and exempt solvents: 1.75 lb/gal, 210 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged: No reportable VHAPS

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.

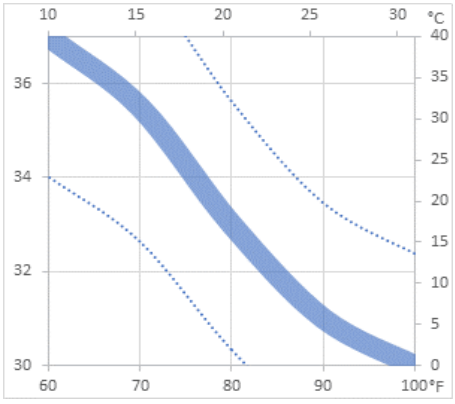
*To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

## CHARACTERISTICS

**Volume Solids:** 30 ± 1%

**Weight Solids:** 34 ± 1%

**Viscosity**:
32-36 seconds #2 Zahn Cup




*The above chart is for information only and should not be used as product specifications*

**Recommended film thickness:**

| | |
|---|---|
| Mils Wet | 2.0 - 3.0 |
| Mils Dry | 0.7 - 1.0 |

**Spreading Rate** (no application loss): 465-710 sq ft/gal @ 0.7-1.0 mils DFT

**Drying** (77°F, 50% RH):

| | |
|---|---|
| To Touch: | 10 minutes |
| To Handle: | 10-20 minutes |
| To Sand: | 30 minutes |
| To Recoat: | 30 minutes |
| Force Dry: | 10-20 minutes at 120°F or equivalent |

Sher-Wood Kem Aqua Plus Sealer dries primarily by water evaporation. Best drying occurs at relative humidity of 50% or lower and temperatures of 70°F (25°C) or higher. Good air movement is essential for complete dry.

**Flash Point:** None

**Package Life**: 1 year, unopened

**Storage:** Store inside - Protect from freezing

## SPECIFICATIONS

**Surface preparation**

**Wood - New Work** (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%.

**Previously finished wood** (interior only):

Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work

**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

**Reduction:** Apply full body. If needed, reduce up to 3% with water. To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction. May be applied to warm substrate (120°F maximum).

**Conventional Spray:**
Air Pressure..... 45-55 psi
Fluid Pressure ..... 8-10 psi
**Air Assisted Airless:**
Air Pressure..... 15-25 psi
Fluid Pressure ..... 700-1000 psi
Cap/Tip ..... .011-.013"
**HVLP:**
Maximum Air at Cap ..... 10 psi
Fluid Pressure ..... 6-8 psi

**Cleanup:**
Clean mixing equipment with a 50/50 blend of Acetone (R6K9) or Diacetone Alcohol and water. A 50/50 blend of R6K34 PM Reducer and water can also be used for cleanup. **PM Reducer must be blended with water prior to flushing equipment. Full strength PM Reducer is not compatible with Sher- Wood Kem Aqua Plus Waterborne Sealer.**

**Do not use with 2-Butoxyetahnol (R6K25) or Butyl Carbitol.**

Follow manufacturer's safety recommendations when using any solvent.



## ADDITIONAL INFORMATION

- Not recommended for exterior use.
- Use stainless steel spray equipment. Tank, piping and containers should be stainless steel or plastic. T65F550 has a low pH and will corrode iron, zinc, and aluminum. It should not be allowed to come into contact with these metals or their alloys in storage tanks, piping, mixers or containers.
- Mix thoroughly prior to use. Avoid vigorous agitation which may cause bubbling or foaming.
- Must not be exposed to freezing temperatures. Store inside.
- The customer is urged to pretest the system under shop conditions.
- Natural finished woods (unstained) will change color on aging and exposure to light. This is a natural phenomenon. Clear finishes will not prevent the wood from changing color.
- Some applications and equipment setups, especially air assisted airless and airless, may be prone to microfoaming of the wet film which will give lower gloss and clarity. Do not use higher pressures than needed for atomization.
- To make toners and shading lacquers, add up to 2 oz/gal of KEM AQUA® Colorants.
- Cannot be blended with other products.
- **Not compatible with 2-Butoxyethanol (R6K25) or Butyl Carbitol. Do not use these solvents for cleanup or reduction.**

## 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.