



**SHERWIN
WILLIAMS.**

Product Finishes

CC-E20

KEM AQUA[®] Gloss Enamel

WhiteF77W550
 Black.....F77B551
 Low Gloss Black.....F77B564
 Low Gloss WhiteF77W563

Machine Tool Gray.....F77A567
 Clear.....F77V561
 Custom Blend.....F77KX Series

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>KEM AQUA[®] Gloss Enamel is a fast drying high gloss water reducible acrylic latex type coating intended for industrial product finishing and refinishing applications. It is ideal for the general metal finishing marketplace.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • VOC* as packaged <2.3 lb/gal less water • Fast air drying • Available in a broad range of colors • No flash point • Use water for reduction and clean-up** • Good one-coat protection • Good application versatility using conventional, airless, HVLP and electrostatic handguns • No reportable VHAPS <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> <p>**To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.</p>	<p>Gloss: High 80+ Low 20-25</p> <p>Volume Solids: 32-34 ± 2% varies by color</p> <p>Viscosity: 70-85 Krebs Units</p> <p>Recommended film thickness: Mils Wet 3.5 - 4.0 Mils Dry 1.1 - 1.4</p> <p>Spreading Rate (no application loss) 370-500 sq ft/gal @ 1.1-1.4 mil DFT</p> <p>Drying (77°F, 50% RH): To Touch: 15-20 minutes To Handle: 30-60 minutes Tack Free: 30-60 minutes To Recoat: 30 minutes Force Dry: 10-20 minutes at 140°F</p> <p>Good air movement and low humidity will insure proper drying of water reducible coatings.</p> <p>Flash Point: None - Seta Flash Closed Cup</p> <p>Package Life: 24 months, unopened</p> <p>Storage: Inside storage -Protect from Freezing</p> <p>pH: 8.6 - 9.1</p> <p>Air Quality Data:</p> <ul style="list-style-type: none"> • Non-photochemically reactive • Volatile Organic Compounds (VOC) theoretical as packaged, maximum, less water and exempt solvents 2.00 lb/gal, 235 g/L • Volatile Hazardous Air Pollutants (VHAPS) no reportable VHAPS <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.</p>	<p>Iron or Steel: Remove rust, mill scale, and oxidation products. For best results, treat the surface with a proprietary surface chemical treatment of zinc or iron phosphate to improve corrosion protection. Use one or two coats of enamel. For improved exterior corrosion resistance and adhesion, prime with Kem Aqua[®] 50P Water Reducible Primer.</p> <p>Aluminum (untreated): Prime with Kem Aqua[®] Wash Primer, E61G522.</p> <p>Galvanized Steel (untreated): Prime with Kem Aqua[®] Wash Primer, E61G522.</p> <p>Plastic: Due to the diverse nature of plastic 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>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

Conventional Spray:

Air Pressure 50-60 psi
Fluid Pressure 10-12 psi
Reducer water
Reduction Rate up to 10%

Airless Spray:

Fluid Pressure 2500-2800 psi
Tip011-.015"
Reducer none needed

HVLP:

Atomizing Air 10 psi at cap
Fluid Pressure 8-10 psi
Tip055
Reducer water
Reduction Rate... as needed up to 10%

Cleanup:

Clean tools/equipment immediately after use with water when paint is still wet. If paint is dry, use a 10:1 blend of water and Butyl Cellosolve R6K25.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- Store inside - protect from freezing. Product may be destroyed by freezing.
- Higher humidity will increase dry time
- Do not apply at temperatures below 50°F.
- Kem Aqua® Gloss Enamel on direct to metal applications has limited salt spray resistance.
- Liquid water reducible coatings may cause corrosion/rusting in the presence of steel. Tanks, containers, piping and application equipment should be lined with stainless steel or plastic.
- Do not shake or agitate violently as this may cause foaming and air entrapment.
- Heavy films may show sagging. Do not exceed 4.0 mils wet film per coat.
- Allow overnight dry before exposing outside. Early rusting and corrosion will occur if adequate dry and coalescing has not occurred.
- For recoat applications, customers should test for suitability.
- Color of the freshly applied wet film may appear milky due to latex resin but will dry to proper color.
- Gloss levels may be adjusted by using D64F505 Kem Aqua® Flattening Base. Refer to data page CC-S13 for details.
- Kem Aqua® Colorants not to exceed 8 ounces per gallon.
- Do not use Kem Aqua® Gloss Enamel over alkyd primers like Kem Aqua® 70P Water Reducible Metal Primer.

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.

Note: All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found at www.sherwin.com. Please review these terms and conditions prior to the purchase of the products.

Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams' control, including substrate selection, and customer handling, preparation, and application, Sherwin-Williams cannot make any other warranties related to the product or the performance of the product. **SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.**

Liability for products proven to be defectively manufactured will be limited solely to replacement of the defective product or the refund of the purchase price paid for the defective product, as determined by Sherwin-Williams. Under no circumstances shall Sherwin-Williams be liable for indirect, special, incidental or consequential damages, lost profits or punitive damages arising from any cause whatsoever.