



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-E20

KEM AQUA® Gloss Enamel

White F77W550
 Black F77B551
 Low Gloss Black F77B564

Low Gloss White F77W563
 Machine Tool Gray F77A567
 Clear F77V561

<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"> • Low VOC* - under 2.3 lb/gal less water • Volatile Organic Emissions are less than 1.2 lb/gal • Fast air drying • Broad color range available through custom color mixing • Gloss levels may be adjusted by using D64F505 Kem Aqua Flatting Base. Refer to data page CC-S13 for details. • No flash point - reduced fire hazard - lower insurance rates • Low odor - improved working conditions • Use water for reduction and clean-up • Good one-coat protection • Good application versatility using conventional, airless, HVLP and electrostatic handguns • Free of lead and chromate hazards <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p>	<p>Gloss: High 80+ Low 20-25</p> <p>Volume Solids: 30-34% varies by color</p> <p>Viscosity: 73-83 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) 342-491 sq ft/gal @ 1.1-1.4 mil DFT</p> <p>Drying (77°F, 50% RH): To Touch: 15-20 minutes To Handle: 20-30 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: 18 months, unopened</p> <p>Storage: Inside storage - Protect from Freezing</p> <p>pH: 8.6 - 9.1</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 2.3 lb/gal, 275 g/L Volatile Organic Emissions as packaged, maximum 1.2 lb/gal, 144 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</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: Prime with Kem Aqua Wash Primer, E61G520.</p> <p>Galvanized Steel: Prime with Kem Aqua Wash Primer, E61G520.</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 Chemical Coatings Sales Representative for system recommendations.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility 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 2400-2700 psi
Tip011-.015"

Reducer none needed

HVLP:

Gun Binks Mach 1
Atomizing Air 60-70 psi
Fluid Pressure 10-12 psi
Tip 94
Reducer water
Reduction Rate as needed up to 5%

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.

SPECIFICATIONS

Product Limitations:

- 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.
- Colors can be adjusted to lower gloss ranges using low gloss colors or up to 10% Kem Aqua Flatting Base D64F505 (consult Product Data Sheet CC-S13).
- Do not use Kem Aqua Gloss Enamel over alkyd primers like Kem Aqua 70P Water Reducible Metal Primer.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility. Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area.

Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 20022-051905.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.