



General Industrial Coatings

CC-E36

KEM AQUA® 8530

High Gloss White F81W550 High Gloss Black F81B551 Clear F81V561
 Low Gloss White F81W563 Low Gloss Black F81B564 Custom Blend Series F81WX

DESCRIPTION

KEM AQUA® 8530 is a fast drying, water reducible acrylic latex coating intended for industrial product finishing and refinishing applications. Product is optimized to provide a balance between performance and value in the general metal finishing marketplace.

Advantages:

- Fast air drying
- Available in a broad range of colors
- Use water for reduction** and clean-up
- Good one-coat protection
- Good application versatility using conventional, airless, HVLP and electro-static equipment
- Formulated to meet 2.3 lbs/gal VOC, less exempts
- Formulated to be non-HAP.

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

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

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

CHARACTERISTICS

60° Gloss:
High 80+
Low 20-25

Volume Solids: 32-34 ± 2 %
 Varies by color

Viscosity: 70-85 KU

Recommended Film Thickness:
 Mils Wet 3.5-4.0
 Mils Dry 1.1-1.4

Spreading Rate (no application loss):
 370-500 ft.²/gal. at 1.1-1.4 mils DFT

Cure:
 Air Dry or
 Force Dry 10-20 minutes at 140°

Substrate Disclaimer: Curing of coating at temperatures higher than the heat distortion parameters of the substrate may cause substrate issues.

Drying: 77° F, 50% RH
 To Touch 15-20 minutes
 Tack Free 45-60 minutes
 To Handle 30-60 minutes
 To Recoat 30 minutes
 Good air movement and low humidity will insure proper drying of water reducible coatings.

Flash Point (Seta Flash Closed Cup): > 499° F

Package Life: 24 months, unopened

Recommended Storage: Inside storage
 Protect from freezing

pH: 8.6-9.1

Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged, less exempts 2.3 lbs/gal, 275 g/L
- Formulated to be non-HAP

SPECIFICATIONS

General: All substrates should be free of mold release, oil, grease, dirt, fingerprints, drawing compounds, surface passivation treatments and any other contaminants to ensure optimum adhesion and coating performance. Consult Metal Preparation brochure CC-T1 for additional details.

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.

Aluminum (untreated): Prime with Kem Aqua Wash Primer, E61G522.

Galvanized Steel (untreated): Prime with Kem Aqua Wash Primer, E61G522.

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.

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

Conventional Spray:

Air Pressure	50-60 psi
Fluid Pressure	10-12 psi
Reducer	Water
Reduction Rate	Up to 10%

Airless Spray:

Fluid Pressure	2,400-2,700 psi
Tip	0.011-0.015 in.
Reducer	None needed

HVLP Spray:

Atomizing Air	8-9 psi at cap
Fluid Pressure	10-12 psi
Tip	1.6
Reducer	Water
Reduction Rate	Up to 10%

Equipment/application guidelines are only guidelines and individual application & process parameters will dictate exact requirements.

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 R6K25 (2-butoxy ethanol).

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

1. Store inside. Protect from freezing. Product may be unusable if frozen.
2. Do not apply at temperatures below 50° F.
3. Higher humidity will increase dry time.
4. Kem Aqua 8530 on direct to metal applications has limited salt spray resistance.
5. 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.
6. Do not shake or agitate violently as this may cause foaming and air entrapment.
7. Heavy films may show sagging. Do not exceed 4.0 mils wet film per coat.
8. Allow overnight dry before exposing outside. Early rusting and corrosion will occur if adequate dry and coalescing has not occurred.
9. For recoat applications, customers should test for suitability.
10. Color of the freshly applied wet film may appear milky due to latex resin but will dry to proper color.
11. Do not use Kem Aqua 8530 over alkyd primers like Kem Aqua 70P Water Reducible Metal Primer
12. Gloss levels may be adjusted by using D64F505 Kem Aqua Flatting Base. Do not exceed 8 ounces of D64F505 per gallon of base. Refer to data page CC-S13 for details.
13. Compatible with Kem Aqua colorants. Do not exceed 8 ounces colorant per gallon of base.

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CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review the 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:

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