



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-B21

High Solids Acrylic Enamel

Gloss Black F88B141
 Low Gloss Black F88B142
 Gloss White F88W158
 Blending White F88W200
 Blending Clear F88T204

Silver F88S142
 Orange F88E143
 Phthalo Green F88G144
 Phthalo Blue F88L145
 Organic Yellow F88Y149

Red Oxide F88R146
 Red F88R147
 Violet F88R149
 Yellow Oxide F88Y148
 Catalyst (Optional) V66V29

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>High Solids Acrylic Enamel is a high gloss, 3.5 lb/gal VOC compliant*, acrylic enamel suitable for coating various metal products.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets EPA solvent regulation of 3.5 lb/gal VOC* • Fast air dry • Good gloss and color retention • Good one coat protection • High Gloss • May be catalyzed with Polane® Exterior Catalyst, V66V29, for higher gloss, increased hardness, and improved resistance properties • Full color range available through package colors and monochromatics • Free of lead and chromate hazards • Does not contain 1,1,1 Trichlorethane <p>High Solids Acrylic Urethane For increased chemical and abrasion resistance, improved hardness, sharper gloss, and better color and gloss retention, High Solids Acrylic Enamel may be catalyzed at an 8:1 ratio with Polane® Exterior Catalyst, V66V29. Drying times will be slower. To achieve faster dry, add 1 ounce of Polane® Accelerator, V66VB11, to premixed catalyzed paint. Up to 4% reduction with MAK, R6K30 is permitted to maintain VOC compliance. Working potlife is 4 hours at normal room temperatures.</p> <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p>	<p>Gloss: Gloss 85+ units Low Gloss <10 units</p> <p>Volume Solids: 51 ± 2% may vary by color</p> <p>Viscosity: 20-50 seconds #3 Zahn Cup</p> <p>Recommended film thickness: Mils Wet 2.0 - 3.0 Mils Dry 1.0 - 1.5</p> <p>Spreading Rate (no application loss) 533-820 sq ft/gal @ 1-1.5 mil dft:</p> <p>Drying (1.0 mils dft, 77°F, 50% RH): To Touch: 15-25 minutes To Handle: 30-40 minutes Tack Free: 40-60 minutes To Recoat: before 2 hours or after 24 hours</p> <p>Force Dry: 10-20 minutes at 140-180°F</p> <p>Critical recoat, do not recoat between 2 hours and 24 hours after application, air drying at room temperature because of potential wrinkling and lifting. Force drying, film thickness, and varying temperature and humidity conditions may change the critical recoat time. Recoating should be tested on a small area under actual application conditions.</p> <p>Flash Point: 80°F Pensky-Martens Closed Cup</p> <p>Acrylic Urethane Mixing Ratio: 8 parts Acrylic Enamel 1 part V66V29 Catalyst</p> <p>Pot Life: 4 hours</p> <p>Package Life: 18 months, unopened</p> <p>Air Quality Data: Non photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 3.5 lb/gal, 420 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p>General: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties. Consult Metal Preparation Brochure CC-T1 for additional details.</p> <p>Aluminum: If untreated, prime with Industrial Wash Primer, P60G2, or Kem Aqua® Wash Primer, E61G520. Over "pre-treated" aluminum, check adhesion before use as the proprietary pre-treatment may change from supplier to supplier which may have an effect on the final adhesion.</p> <p>Galvanized Steel: if untreated, prime with Kem Aqua® Wash Primer, E61G520, followed by Kem Flash® 500 Primer.</p> <p>Steel or Iron: 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. For improved corrosion resistance, prime with Kem-Flash® 500 Primer.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, and application methods and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>

APPLICATION

Typical Setup

Note: To maintain 3.5 VOC, no reduction is permitted. Acetone R6K9 may be used up to 5% by volume without affecting VOC.

Conventional Spray:

Air Pressure 40-60 psi

Fluid Pressure 3-10 psi

Reduction Rate do not reduce

Airless Spray:

Pressure 2100-2700 psi

Tip011" - .013"

Reduction Rate do not reduce

Electrostatic Spray:

The addition of MEK, MAK or MIBK will improve wrap.

HVLP:

Atomizing Air Pressure at the cap 8-10 psi

Fluid Pressure 6-8 psi

Reduction Rate do not reduce

Cleanup:

Clean tools/equipment immediately after use with Aromatic Naphtha or Acetone. Xylol R2K4 may be used but is not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Critical recoat, do not recoat between 2 hours and 24 hours after application, air drying at room temperature because of potential wrinkling and lifting. Force drying, film thickness, and varying temperature and humidity conditions may change the critical recoat time. Recoating should be tested on a small area under actual application conditions.
- High Solids Acrylic Enamel applies best at temperatures above 65°F. Coating temperature affects viscosity and application. Recommended coating temperature is above 70°F. In-line heaters reduce viscosity and improve atomization and flow. Temperatures up to 125°F may be used.
- When applied to properly cleaned, untreated cold rolled steel, optimum adhesion is obtained after 4-7 days air drying. Films heavier than 1.5 mils dry require longer drying to obtain the best adhesion. Adhesion develops much faster over an iron phosphate pretreatment.
- Force dry schedules may affect the color of the whites because of the heat.
- To maintain the 3.5 lb/gal VOC, no reduction is permitted.
- Application by air assisted airless is not recommended because of air entrapment and poor flow.
- Iron or zinc phosphate pretreatment and primer is recommended for improved corrosion protection and film integrity on exterior applications.
- Clear, F88T204 is intended for color blending only and is not intended for use as a clear coating.
- Silver, F88S142 is concentrated and must be blended 1:1 with Clear F88T204. Silver may be added to any of the other colors to make a metallic color.

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.

Contents are **FLAMMABLE**. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. 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: If **INHALED:** If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on **SKIN:** Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in **EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention. 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.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Contains Styrene which may cause cancer based on animal data.

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. 21681-051905.

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.