



# Chemical Coatings

## CC-B10

### Quick Dry Enamel

Machine Tool Gray .....	F77A3
<b>Gloss Black .....</b>	<b>F77B1</b>
Flat Black .....	F77B2
Container Brown .....	F77N20
Safety Yellow .....	F77Y15
Equipment Yellow .....	F77Y17

Motor Blue .....	F77L6
Container Blue .....	F77L19
Blending White .....	F77W100
Gloss White .....	F77W8
Equipment Green .....	F77G13
Packer Green .....	F77G38

Aluminum .....	F77S12
Blending Clear .....	F77V100
International Orange .....	F77E11
Machinery Red .....	F77R14
Regal Yellow .....	F77Y16

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p><b>Quick Dry Enamel</b> is a fast drying industrial finishing enamel intended for coating various metal products. It is ideal for industrial, OEM, maintenance, and new construction applications. It offers versatility and efficiency of application because of its quick drying properties.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Very fast air drying</li> <li>• High Gloss</li> <li>• Available in a broad range of colors.</li> <li>• Good one coat protection</li> <li>• No critical recoat time</li> <li>• Can be applied using conventional, airless, or electrostatic spray equipment or by dipping</li> <li>• Lower gloss levels are available by using Gloss Modifying Agent, D64F100</li> <li>• Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303.</li> </ul>	<p><b>Gloss:</b> 80+ units Flat Black: 2 - 8 units</p> <p><b>Volume Solids:</b> 26 - 31 ± 1% varies by color</p> <p><b>Viscosity:</b> varies by color 30-50 seconds#2 Zahn Cup 30-45 seconds#4 Ford Cup</p> <p><b>Recommended film thickness:</b> Mils Wet 3.5 - 5.0 Mils Dry 0.8 - 1.2</p> <p>Multiple passes to obtain film build are recommended. See Product Limitations section.</p> <p><b>Spreading Rate</b> (no application loss) 348-621 sq ft/gal @ 0.8-1.2 mils DFT</p> <p><b>Drying</b> (1.0 mils dft, 77°F, 50% RH): To Touch: 5-10 minutes To Handle: 10-15 minutes Tack Free: 15-30 minutes To Recoat: 30 minutes To Pack: 4-5 hours Force Dry: 10 minutes at 180°F</p> <p><b>Flash Point:</b> 35°F Pensky-Martens Closed Cup</p> <p><b>Package Life:</b> 2 years, unopened</p> <p><b>Air Quality Data:</b> Photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.28 lb/gal, 633 g/L reduced 25% with Xylene, maximum 5.6 lb/gal, 678 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p><b>General:</b> 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><b>Aluminum:</b> 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><b>Galvanized Steel:</b> Prime with Industrial Wash Primer, P60G2, or Kem Aqua Wash Primer, E61G520.</p> <p><b>Steel or Iron:</b> 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 better corrosion protection and best enamel holdout prime with Kem 400 Primer. For best corrosion protection prime with Kem Flash Prime.</p> <p><b>Wood</b> (interior only): Must be clean, dry, and finish sanded.</p> <p><b>Testing:</b> 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

For a wetter spray or to improve flow and leveling, reduce with small amounts of Hi Flash Naphtha 100 or Aromatic Naphtha 150.

#### **Conventional Spray:**

Air Pressure .....40-50 psi  
Fluid Pressure ..... 8-10 psi  
Reducer ..... Xylol  
Reduction Rate ..... 20-25%

#### **Airless Spray:**

Pressure ..... 1800 psi  
Tip ..... .013"-.017"  
Reducer ..... Xylol  
Reduction Rate ..... 15-20%  
Butyl Carbitol, R6K28, may be added to 3% by volume as a retarder solvent.

#### **Electrostatic Spray:**

Reducer for polarity ..... MEK or MAK  
Reduction Rate ..... up to 10% for wrap  
Reducer for flow..... Hi Flash Naphtha 100 or MAK  
Reduction Rate ..... as needed

#### **Dip:** (small parts only)

Reducer.....Xylol or Hi Flash Naphtha 100  
Reduction Rate ..... 15-20%  
Excessive agitation or turbulence on part immersion or withdrawal may cause foaming.  
Tank maintenance (agitation, turnover rate, viscosity control, and stability) is required

#### **Cleanup:**

Clean tools/equipment immediately after use with Xylol, Hi Flash Naphtha, or other aromatic solvents.  
For HAPS compliant solvent clean-up, use n-butyl acetate, R6K18.  
Follow manufacturer's safety recommendations when using any solvent.

#### **Performance Tests**

Substrate - Steel Q-Panel

Salt Spray (ASTMB117)passes 24-48 hours

Pencil Hardness ..... HB

Direct Impact Resistance .....passes 10 lbs

## **SPECIFICATIONS**

#### **Product Limitations:**

- Blend custom colors using Phoenix colorants. If Phoenix colorants are not available, use 844 colorants up to 8 ounces per gallon.
- Multiple passes to obtain film build are recommended rather than a single heavy pass. Excessive film build may cause solvent popping because of the quick drying nature of this product.
- Use of very slow evaporating solvents may increase the tack free time and keep the coating softer for a longer time.
- Quick Dry Enamel has no critical re-coat time and can be recoated at any time. However, field conditions may vary and recoating should be tested on a small area.

## **CAUTIONS**

#### **FOR INDUSTRIAL SHOP APPLICATION**

Thoroughly review product label and Material Safety Data Sheet (MSDS) 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.

**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.