



ECO-FLEX C/G™

Fire Resistant Coating

Product Description General purpose aqueous based fire retardant surface coating.

Intended Uses To provide protection on a wide variety of substrates and surfaces against open flame and high radiant heat.

Practical Information	Color	Gray
	Gloss	Flat
	Volume Solids	58.0%
	Typical Thicknesses	6-120 mil, depending on design application.
	Theoretical Coverage	30.6 ft ² /gal at 30 mils
	Practical Coverage	89.0 ft ² /gal at 10 mils Allow appropriate loss factors.
	Method of Application	Spray or Brush
	Drying Time	Tack Free 1 - 2 Hour depending on thickness. Stackable 24 to 36 Hours depending on thickness. Full Cure 30+ Days depending on thickness.

Times are based on 20 mil thickness at 68°F (20°C) with 50% humidity.

Regulatory Data	Flash Point	None
	Product Weight	10.20 lbs / gal
	Viscosity	Approx. 9,500 cps at 68°F (20°C)

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Surface Preparation

The surface to be coated with ECO-FLEX C/G™ must be properly prepared in accordance with good painting practices. The surface must also be clean of all residual oil, moisture, dust, frost or other contaminants that may have formed. A recommendation is to power wash exterior surfaces with a water based cleaning solution and rinse with clean water. When in doubt, use acetone solvent or tri-sodium phosphate (TSP) solution and thoroughly wipe down all surfaces to be coated. As the cleaning solution evaporates, make certain any frost, moisture or oil deposits have been removed. In areas where spot rusting has occurred, be sure all loose rust, scale, etc. is removed.

ECO-FLEX C/G™ is a corrosion resistant and sealant coating. Primers may be used, if specified, in conjunction with this coating.

Before commencing work over primed surfaces, it is vitally important to determine the compatibility of ECO-FLEX C/G™ with the candidate primers. ECO-FLEX C/G™ has shown suitable compatibility with the following type of high quality, properly cured primers:

1. A fast drying, high solids, low VOC, heavy metal free, rust inhibitive, universal, alkyd primer that has been dried and well cured for at least 7 days at 70° prior to ECO-FLEX C/G™ application.
 2. Most two-component epoxy primers.
 3. Aluminum surfaces must be primed with a vinyl-wash primer. Be sure to follow the surface preparation and application procedures as recommended by the primer manufacturer.
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Application	Mixing	Material should always be mixed thoroughly with a power agitator until uniform.
	Airless Spray	Recommended for use with the Graco Mark V Airless Sprayer using a 29 to 31 thousandths Tip with a fluid pressure of 1,700 p.s.i. (Max), at 1.25 gpm (contact Avtec Industries Inc. for further Info.).
	Air Spray (Pressure Pot)	Recommended.
	Brush	Acceptable.
	Roller	Acceptable.
	Thinner	Water. However, thinning is not normally required.
	Work Stoppage	<p>Thoroughly flush all equipment with clean water. All unused material should be stored in tightly closed containers.</p> <p>Partially filled containers will show surface skinning or viscosity increase if left open.</p>
	Clean up	<p>Clean and flush all equipment immediately after use with clean water. It is a good working practice to periodically flush out the airless spray equipment once each working day.</p> <p>All surplus materials and empty containers should be disposed of in accordance with appropriate local regulations.</p>

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Product Characteristics

Mechanical mixing of ECO-FLEX C/G™ prior to use is required to assure uniformity of blended ingredients and proper material viscosity.

Low or high temperatures may require specific application techniques to achieve proper dry times, and uniformity.

Surface Temperature must always be 5°F (3°C) above dew point.

ECO-FLEX C/G™ should be sprayed at a fluid temperature range of 65-80°F (18-27°C) if possible. Pail and drum heaters can be used to achieve this temperature.

The finished surface should be uniform and free of voids. Avoid using a mixture of application methods whenever possible.

Safety Precautions

This Product is intended for use by professional applicators in industrial situations in accordance with the advice stated on this bulletin. Avtec Industries will provide Material Safety Data Sheets to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant, Health, Safety & Environmental standards and regulations.

If in doubt regarding the suitability of use of this product, consult **AVTEC INDUSTRIES** for further advice.

Packaging is in 5 gal U.S. Pails or 55 gal U.S. Drums
Store in a cool dry place away from sources of heat and ignition

REV. 1/07

Disclaimer: All information contained herein is believed to be accurate and reliable. However is it the user's responsibility to determine the suitability of this product for their own use. As the use of this product is beyond our control, no warranty, expressed or implied is made by Avtec industries, Inc. except to replace material deemed defective by use.

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