



# Aerospace SURE-COAT™

## TECHNICAL DATA SHEET

### Description

**Aerospace SURE-COAT** is a water borne coating system offering excellent flexibility and outstanding adhesion for a variety of interior aerospace applications. **Aerospace SURE-COAT** lets you change or enhance the current color while maintaining the texture and look of leather, vinyl and plastic. It will not get brittle with age nor soften or crack within normal temperature ranges. **Aerospace SURE-COAT** is available as a mixing system containing 9 toners and 3 clears that can be mixed to match almost any color. **Aerospace SURE-COAT** dries quickly and may be brushed or sprayed.

### Features

- Excellent for leather, vinyl and plastic
- VOC compliant
- Can be brushed or sprayed
- Mixing system = endless colors
- Superior resins provide great adhesion, flexibility and durability
- Easy to use
- Meets FAR's 23.853, 25.853(a) and (c), 27.853 and 29.853
- Quick drying

### Typical Properties

Containers	Pint and ½ gallon
Coverage of toners @ 1 mil DFT	390-470 sq.ft./gl
Coverage of clears @ 1 mil DFT	360-500 sq.ft./gl
Average weight solids % of toners	26-36%
Average weight solids % of clears	23-34%
Taber abrasion wear index average	41 with <b>16004</b>
Cross cut adhesion test	100% adhesion on leather, vinyl and plastic
Dry film build	0.8-1.2 mils
Freeze thaw stability	3 cycles
<u>Drying time @ 70°F (21°C) and 50% R.H.</u>	
Dust free	20 minutes
Tack free	40 minutes
Tape time	60 minutes

Please refer to [www.semproducts.com](http://www.semproducts.com) for physical properties and VOC information. Use VOC calculator to determine VOC of mixtures.

### Handling and Application

#### PREPARATION:



Clean first with **A39362 Aerospace SEM SOAP** and a gray scuff pad, paying close attention to textured or recessed areas. For vinyl, next clean with **38343 VINYL PREP** and a clean gray scuff pad. For plastic and vat-dyed or PVC coated leather, clean with **A38353 Aerospace PLASTIC/LEATHER PREP**. Scuff the leather with a clean, gray scuff pad or 400-600 grit sandpaper and clean again with **A38353**.

**NOTE:** When coating PP, TPO, EPDM or other similar plastics, apply **39863 PLASTIC ADHESION PROMOTER** or **77723 ADHESION PROMOTER** per instructions.

**MIXING:**



**Aerospace SURE-COAT is ready to spray.** Hand stir or shake well to make sure color is consistent. **Aerospace SURE-COAT** may appear foamy; however, bubbles will dissipate during application.

**NOTE: 16004 SURE-COAT CROSS LINKER** is available to increase the resistance of **Aerospace SURE-COAT** to the effects of most industrial and household chemicals which commonly affect water borne coatings. Please refer to product label for instructions.

**NOTE: 16754 SURE-COAT REDUCER** may be added to give the user more versatility when applying **Aerospace SURE-COAT**. Please refer to product label for instructions.

**APPLYING:**



When spraying, always flush gun with acetone followed by water prior to application. During application hold gun 6-8 inches from the surface. Using 25-30 psi from non-HVLP equipment or 8-10 psi at the cap with HVLP equipment, apply one light coat followed by two medium wet coats allowing 5-10 minutes flash time between coats. Apply sufficient coats to achieve hiding. When brushing, use **05500 POLY BRUSH** and apply one light coat followed by two medium wet coats allowing 5-10 minutes flash time between coats. Apply sufficient coats to achieve hiding.



**NOTE:** Dry time is dependent on relative humidity and air circulation. Allow 10 minutes before baking. Curing can be accelerated with a fan or an infrared curing system placed 3-4 feet from the surface. **DO NOT EXCEED 140°F (60°C) OR BAKE FOR LONGER THAN 30 MINUTES.** Allow 24-36 hours before placing substrate back into service.

**CLEANUP:**



Flush spray equipment with warm water until clean. Follow with acetone until all water has been removed.

**STORAGE:**



**Aerospace SURE-COAT** should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Aerospace SURE-COAT** is 5 years when stored under normal conditions.

**TECHNICAL CONSULTATION SERVICE**

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

**DISCLAIMER:** The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and label are available upon request.

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