



AXON PRODUCTS

307 ECHELON ROAD • GREENVILLE, SC 29605
TEL. 864-299-2819 • FAX 864-299-2820
EMAIL info@axonproducts.com

AEROSPACE TECHNICAL DATA

WS-9 SERIES

SEMI-GLOSS WATERBORNE POLYURETHANE TOPCOAT SINGLE COMPONENT- FAR 25.853 BURN TEST APPROVED

Revised: May 2009

PRODUCT DESCRIPTION:

This series of semi-gloss waterborne topcoats is designed for use over various plastic substrates including ABS, Tedlar, polycarbonate, polysulfone and primed metal. Normally it does not require the use of primer for adhesion purposes. The WS-9 Topcoats have excellent adhesion, mar and scratch resistance, as well as solvent resistance. They display superior clean ability and stain resistance.

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF REGULATION:

Boeing BMS 10-83 Type I, II, IV & VI / SAE- AMS 3146 Type I & Type II, Class 2 / F.A.R. 25.853 / and OSU 65/65.

SURFACE PREPARATION:

Clean the area to be painted with a mild cleaner to remove all contamination. Scuff abrade with Scotch Brite pads or sandpaper. Wipe up all abrasion residues with isopropyl alcohol (or other suitable cleaner) and a clean cotton cloth. Just prior to the coating application, lift any remaining lint or dust with a tack cloth.

Note: Some substrates require more abrasion than normal for full adhesion of the coating: e.g. Tedlar, IPA and acetone can be cut with water by 10-20% to help wetting the surface.

MIXING / APPLICATION:

Mix the paint well by stirring. Do not use a paint shaker as foaming may result. Spray apply the topcoat in 2 or 3 wet coats to a wet film thickness of 3 to 4 mils. Any standard suction, pressure pot, HVLP or airless spray equipment may be used. This product can be rolled. The proper roller is a 1/8" foam roller. This topcoat lends itself very well to achieve a texture effect when desired. Coating will dry to touch in 30 minutes to 1 hour, tack free in 1 to 2 hours and dry hard in 8 hours at normal environmental conditions of 70°F.

PHYSICAL PROPERTIES:

Appearance:	Semi-gloss, various colors
Solvent Resistance:	150+ Double Rubs IPA/MEK
Coverage:	440-475 sq. ft./mil/gallon @ 100% transfer depending on color
Viscosity:	25-35 seconds, #3 Zahn
Volatile Organic Content:	<75 g/L
Shelf Life:	1 year from date of manufacture
Storage Temperature:	40 - 95°F

PRECAUTIONS:

Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and required precautions for safe use.