

# AS50 Series

## High Solid Anti-Skid Coating



**Product** AS50 Series High Solid Anti-Skid Coating

**Item Class** Specialty Coating

AS50 Series is a high solid two component, Anti-Skid polyurethane coating utilized for upper wing marking of escape routes and interior cargo bay flooring. This product contains anti-skid grit to promote traction. Unlike lacquer-based wing walk coatings, AS50 is resistant to hydraulic fluids and other commonly used solvents. This product is best applied using rolling or brushing techniques.

**Specifications** Product is manufactured to meet the performance requirements of the following specifications:

A-A-59166 Ty II - AIMS 04-04-024

**Catalyst & Additives** Catalyst/Activator

351
350 (Semi-Gloss /Flat)

**Use of Primers** Contact your local 3Chem representative for a complete list of epoxy primers which may be utilized with this system.

**Surface Preparation** Prepare substrate per OEM requirements. Contact your local 3Chem representative for assistance.

**Mixing Instructions**

Base	Catalyst/Activator	Mix Ratio
AS51-XXXX (Gloss)	351	1:1
AS52-XXXX (Semi-Gloss)	350	1:1
AS53-XXXX (Flat)	350	1:1

Shake (Base) for 15 minutes to assure no solid settlement remains in can. Add component B catalyst to component A paint first. Mix ratio for material is 1 part component A paint, 1-part component B catalyst. No thinner should be added to semi-gloss or flat colors. (Kit yield either 2 gallons or 2 quarts). Must ensure mix ratio is exact to obtain desired semi-gloss or flat finish.

**Induction Time** Although no induction time is needed. Once mixed together, ensure that admixed material is continuously stirred for at least 5 minutes before proceeding.

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**Pot Life** 7 Hours @ 21° Celsius, 70° Fahrenheit

**Film Thickness** 3-4 Mills DFT - Wet film thickness should be 5-7 Mills total

### Application Instructions

Temperature and Humidity	Minimum	Maximum
Temperature Celsius	11°	35°
Temperature Fahrenheit	52°	95°
Humidity	33%	74%

Temperature	Dry to Tape	Dry to Handle	Full Cure
52-65°F (11-18°C)	5-6 Hours	7-8 Hours	6 Days
66-85°F (19-29°C)	5-6 Hours	6-7 Hours	6 Days
86-95°F (30-35°C)	5-6 Hours	5-6 Hours	6 Days

Only mix enough material to be applied on initial coat. Always add component B activator to component A paint. Complete kit of material will yield 2 US Gallons (7.5 liters). 1-gallon component A paint, 1-gallon component B activator.

Using a solvent resistant brush or roller, apply one even wet coat of material. A second coat may be applied to increase film thickness or grit amount.

**Application Instructions** PS40 Accelerator (Fast dry additive mix options)

PS40 Accelerator	Dry Between Coats	Dry to Handle	Dry Hard	Pot Life	Full Cure
2% By Volume	12 Minutes	2 Hours	4 Hours	4 Hours	6 Days
3% By Volume	10 Minutes	1 Hours	2.5 Hours	3 Hours	6 Days
5% By Volume	5 Minutes	30 Minutes	1 Hour	45 Minutes	6 Days

\*Note: Overuse of PS40 additive may affect product gloss and finish

**Force Cure:** If deemed necessary oven curing is possible to reduce dry to tape and handle times. After application, allow coating to air dry for 1 hour at room temperature (75° F), then force cure for 2 hours at 120° F.

**Theoretical Coverage** 350-375 sq. ft / gallon @ 1 mil 8-9m<sup>2</sup> / liter @1 mil  
\*Coverage calculated using brushing/rolling techniques

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<b>Color</b>	Available in all color ranges
<b>Gloss</b>	Gloss colors: 90 minimum @ 60 degrees Semi-Gloss colors: 17-30 @ 60 degrees Flat/Matt Colors: Less than 5 @ 60 degrees
<b>Volatile Organic Compound</b>	340 – 390 g/l
<b>Shelf Life</b>	24 Months (When stored in climate-controlled environment between 60-80° F) *Product may be re-certified upon inspection by 3Chem.
<b>Safety Instructions</b>	Always read material safety data sheet (SDS) and product label before utilizing this product. Product SDS is available upon request.

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