



COATING, URETHANE, ALIPHATIC ISOCYANATE, FOR AIRCRAFT
APPLICATIONS MIL-PRF-85285D

DATA-SHEET

MIL-PRF-85285D is a two-component, polyester polyol and aliphatic isocyanate resin based high-solid coating with very good adhesion and freezing resistance.

And it forms a tough film with very good resistance to weathering.

It meets MIL-PRF-85285D TYPE 1 specification.

Recommended use	As a finishing coat for use on aluminum and ferrous metals.
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Physical Properties

Finish and Color	Gloss, Semi-gloss, Flat. Colors are available on request.
Specific gravity	0.9 ~ 1.2 (Kg/L) according to color and gloss
Solids by volume	52 ~ 58% according to color and gloss.
Spreading rate (Theoretical)	11 ~ 13m ² /L in 45 microns dry film thickness on a smooth surface.
Flash point	16°C/61°F (Closed cup)
Spreading Rate	11 ~ 13m ² /L in 45 microns dry film thickness on a smooth surface.

Application details

Surface preparation	Remove any rust, dust, oil and other contaminants from the surface to be coated.
Preceding coat	MIL-P-53022B or MIL-P-23377D
Method of application	Air spray, Brush.
Thinning	MIL-T-81772B TYPE
Application conditions	The surface to be coated should be clean and dry. Preferred temperature during application is between 2°C/35°F and 35°C/85°F. And Preferred relative humidity is below 85%.
Film thickness	Recommended per coat 40 ~ 50 microns dry
Drying time	At 20°C/68°F, Set to touch : 2 hours Dry hard : 6 hours
Pot life	At 20°C/68°F, 5 hours.
Recoating interval	8 hours (After Dry through)

Storage and package

Remarks	
Note	Avoid prolonged breathing of solvent vapors and contact with skin and eyes. Use with adequate ventilation. Respiratory protection is recommended when spraying this material in confined space or stagnant air.
1'st issue	2013-04-01
Revision	

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience.

However, there are many factors affecting the performance of product and the product quality itself,

so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing.

We reserve the right to change the data without notice and you

should check that this data sheet is current prior to using the product.

