Desothane® HS CA8351 Semi-Matt Low-VOC Polyurethane Finish

Description

Desothane® HS CA8351 and CA8351L Semi-Matt Low-VOC Polyurethane Finishes are high solids Chemical Agent Resistant Coatings based on high durability polyurethane technology. These finishes are intended for interior and exterior use on military aircraft and equipment.

Desothane® HS CA8351 and CA8351L Semi-Matt Low-VOC Polyurethane Finishes meet the requirements of BS2X34A and B, Eurofighter SP-J-513-C -0083 Type II, Cl B, Mil-PRF-85285 and MM0114

Application properties (typical)

Product code numbers

Base	CA8351…(standard quality)	
	CA8351…L	(low infra-red)
Activator	CA8310B	

The dots above ("…") indicate the position of colour descriptor in the product code.

Mix ratio (Base : Activator)
3 volumes : 1 volume

Volatile Organic Content (prepared for use)
<420 g/l

Flash point

CA8351 and CA8351L	24°C
CA8310B	21-32°C

Mixing Instructions

Before adding the Activator to the Base, thoroughly stir or shake the Base component until a smooth uniform mix is obtained. Immediately after adding the Activator to the Base, stir thoroughly until uniform. No induction period is required before using the mixed material. DO NOT THIN.

Application Guidelines

By spray using airmix, conventional, HVLP, airless and electrostatic equipment.
Apply 1-2 double-track or cross-coats, sufficient to achieve the required dry film thickness.

Performance Properties (typical)

Application and drying conditions

Temperature	15-35°C
Relative Humidity	30-85%

Colours
White, Black, Camouflage and marking colours.
Please enquire for further details.

Gloss
Semi Matt - 15±3 g.u./60°.

Dry film thickness
35-45micron

Pot life (23°C)
4 hours

Drying times (23°C/65% RH)

Flash off	45 mins
Hard dry	6 hours
Maskable	6-8 hours
Recoatable with self	30 mins to 72 hours
Entry to service	48 hours

Theoretical coverage
13m²/litre /dft 40micron (Base & Act)

Forced drying
(To give cure equivalent to 23°C maskable)
4 hours/40°C, 1 hour/70°C

Recommended cleaning
Before and after use, flush equipment with Desoclean® CN20 (Def Stan 80-67).

PRC-DeSoto International

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A PPG Industries Company

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NOTE: The application and performance property values above are typical for the material, but are not intended for use in specifications or for acceptance inspection criteria due to variations in testing methods, conditions and configurations.

Storage life

The storage life of all versions of CA8351 is 24 months in when stored between 5 and 35°C in the original unopened containers.

CA8310B, once opened, should be used immediately.

Health precautions

This product is safe to use and apply when recommended precautions are observed. Before using this product, read and understand the Material Safety Data Sheet which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme exposure.

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