

TOPCOAT DI-TEX SATIN 8-13 GU

FIRE RETARDANT FINISHES FOR CABIN INTERIORS

AkzoNobel

Product information



Three-component waterborne topcoat for aircraft interiors. DI-TEX 50 SATIN 8-13 GU is an auto-texturing topcoat with a smoother effect than the Di-Tex FRC topcoat.

Components



Base DI-TEX 50 SATIN 8-13 GU
Hardener / Catalyst FR2-55
Thinner Tap water

Specifications



Qualified in accordance with:
Embraer : MEP 10-073
Bombardier: BAMS 800-005

Meet the following requirements :
JAR / FAR Part 25 25.853 (a) + (c / d) / Change 14 / Amdt. 25-83

Product information mentioned in the technical datasheet is given for information purposes and can differ from requirements of specifications above. In that case, customer requirements are valid for your application.

Physical properties



THEORETICAL COVERAGE
7,4 m²/kg (35 sq.ft/lbs) for 50 µm (2 mils) dry

DRY FILM WEIGHT
1.7

VOC
50 g/L (ISO 11890-1) and 130 g/L (ASTM D3960)

SHELF LIFE / STORAGE
12 months for the base and hardener stored between 5°C and 35°C (41°F and 95°F) in full and sealed original packaging.

GLOSS LEVEL
8-13 GU below 60°

NOTES
Gloss levels have been determined using glossmeter with an angle of incidence of 60°C. The theoretical consumption value doesn't take into account the transfer efficiency for spray application

Surface preparation



DI-TEX 50 SATIN 8-13 GU has to be applied onto the FR4-45 surfacer, FRS30 or directly on thermoplastic substrate. It is recommended to respect recoatability times given in FR4-45 or FRS30 Technical Data Sheets. If recoatability time is exceeded, it is possible to reactivate the surface by sanding with P240 to P400 grade.

All recommendation mentioned above are given for information.

TOPCOAT DI-TEX SATIN 8-13 GU

FIRE RETARDANT FINISHES FOR CABIN INTERIORS

AkzoNobel

Instructions for use



SPRAY APPLICATION

MIXING RATIO

	Mixing ratio by weight	Mixing ratio by volume
Base	100	4 V
Hardener / Catalyst	20	1 V
Water	15-25	0.5 V to 1.2 V

MIXING PROCEDURE

Ideally, the unmixed products should be stored between 18°C and 25°C (64°F and 77°F) for 24 hours before use.

Mixing by weight is strongly recommended.

Mix the base and the hardener until the mixture is homogeneous. Then add the water and mix.

The mixture must be made at a temperature between 18°C and 35°C (60-95°F).

Note : It is recommended to sieve the mixture using a 125-190µm (5-8 mils) filter.

INDUCTION TIME

None

Spraying viscosity at 20°C / 68°F

Dilution rate by weight	ISO 6
20%	22s ± 5s

POT LIFE

3 hours

NOTE

Viscosities mentioned above are corresponding to the recommended range of viscosity to ensure compliant application. The range of dilution must be used to adjust viscosity to reach the recommended one

Water based paints show a thixotropic behaviour. This implies that efflux time can vary according different parameters such as: type of mixing, mixing quantity, dilution, temperature, time between mixing and viscosity measurement

TOPCOAT DI-TEX SATIN 8-13 GU

FIRE RETARDANT FINISHES FOR CABIN INTERIORS

AkzoNobel

Application
recommendations



CONDITIONS

Temperature 15°C to 35°C (60°F to 95°F)

Relative humidity 20 % to 80 %

EQUIPMENT

Gravity air spray gun - Nozzle 1.5 mm to 1.8 mm

DRY / WET FILM THICKNESS

40 to 70 µm (1.5 to 3 mils) dry / 100 µm to 175 µm (4 to 7 mils) wet.

NUMBER OF COATS

With an air spray gun, apply two to three wet cross coats to achieve the desired thickness.

The number of coats depends on the size and the shape to be painted.

EQUIPMENT CLEANING

Clean equipment with water, then with a suitable cleaning thinner such as D770-C from MAPAERO.

NOTE

Spray with dry, oil-free air.

TOPCOAT DI-TEX SATIN 8-13 GU

FIRE RETARDANT FINISHES FOR CABIN INTERIORS

AkzoNobel

Drying times



NOTE

	23°C (73°F)	40°C (104°F)	60°C (140°F)
Dust Free	30 minutes to 1 hour	N.A*	N.A*
Dry to handle	5 hours	3 hours	1 hour 30
Fully cured	7 days	3 days	12 hours

Note :

Drying times have been determined using test pieces of a thickness < 2 mm and for 50 µm (2 mils) dry.
At 23°C (73°F), we assume a hygrometry of 50% and a sufficient air flow.
N.A. : Not Applicable

Defects & corrections



In the event of a defect, contact your Quality Department.

Health & Safety



See the product Safety Data Sheets.

The MSDS are available through our website www.mapaero.com.

Packing



The DI-TEX SATIN 8-13 GU base is available in 1 kg and 5 kg.
The FR2-55 hardener is available in 1 kg and 5 kg.
The DI-TEX Kit is available in 6kg (5kg of base and 1kg of hardener)

WARRANTY : We guarantee our products against hidden defaults over material and preparation. Our Responsibility is limited to the obligation of freely replacing the defective material without there being a claim for any compensation. The advice we give is based on our experience but it might not be absolutely right. Consequently this does not imply our responsibility in case of inefficiency. Furthermore our company cannot be responsible for any material or corporal damages caused due to a misuse or mishandling of our products. Any concession to these clauses, to be valid, must be an official document issued by our offices and signed by our direction.