

# TOPCOAT DI-TEX 50 MATTE 4-6 GU

## FIRE RETARDANT FINISHES FOR CABIN INTERIORS

**AkzoNobel**

### Product information



Three-component waterborne topcoat for aircraft interiors.

DI-TEX 50 Matte 4-6 GU is an auto-texturing topcoat with a smoother effect than the Di-Tex FRC topcoat. DI-TEX 50 Matte 4-6 GU can be applied with cabin interior primers FR1-55, FR4-45 or FRS30.

### Components



**Base** DI-TEX 50 Matte 4-6 GU  
**Hardener / Catalyst** FR2-55 or Di-Tex  
**Thinner** Tap Water

### Specifications



**Qualified in accordance with :**  
Boeing : BMS 10-156 Typ II, Class A  
Embraer : MEP 10-073  
Bombardier: BAMS 800-005

**Meets 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 m<sup>2</sup>/kg (34 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 for the hardener stored between 5°C and 35°C (41°F and 95°F) in full and sealed original packaging

#### **GLOSS LEVEL**

4-6 GU below 60°

#### **NOTES**

Flash point : > 100°C (212°F) base, >60°C (140°F) hardener. 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 Matte 4-6 GU has to be applied onto FR1-55, FR4-45 surfacer, FRS30 or directly on thermoplastic substrate. It is recommended to respect recoatability times given in FR1-55, 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 recommendations mentioned above are given for information.

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### Instructions for use



### SPRAY APPLICATION

#### MIXING RATIO

	Mixing ratio by weight	Mixing ratio by volume
Base	100	4V
Hardener / Catalyst	20	1V
Water	20 to 30	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 hardener until the mixture is completely homogeneous. Add the water until the desired viscosity. The mixture must be made at a temperature between 15°C (59°F) and 35°C (95°F).

NB: It is recommended to sieve the paint before application using a 125-190 microns (5-8 mils) filter.

#### INDUCTION TIME

None

#### Spraying viscosity at 20°C / 68°F

Dilution rate by weight	ISO 6
25%	22.5s ± 2.5s

#### 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

### Application recommendations



#### CONDITIONS

**Temperature** 15°C to 35°C (59°F to 95°F)

**Relative humidity** 20 % to 80 %

#### EQUIPMENT

**Gravity air spraygun** Nozzle 1.4 mm to 1.8 mm

#### DRY / WET FILM THICKNESS

40 to 70 µm (1.5 to 2.7 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.

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## Drying times



**Dust free**  
**Dry to handle**  
**Fully Cured**

**23°C (73°F)**  
30 minutes to 1 hour  
5 hours  
7 days

**40°C (104°F)**  
N.A.  
3 hours  
3 days

**60°C (140°F)**  
N.A.  
1 hour  
12 hours

### NOTE

Drying times have been determined using test pieces of a thickness < 2 mm and for 50 µm (1.9 mils) dry.

At 23°C, 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 web site [www.mapaero.com](http://www.mapaero.com)

## Packing



The DI-TEX Matte 4-6 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 Hardeber is available in 0.85kg.

The DI-TEX Matte Kit is available in 6kg (5kg base and 1kg 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.