

# VARNISH FRS40 SOFT FEEL

## FIRE RETARDANT FINISHES FOR CABIN INTERIORS

**AkzoNobel**

### Product information



Three component solventborne polyurethane varnish, with a "soft feel" effect. It has to be applied onto FRS40 finition

### Components



**Base** FRS40  
**Hardener / Catalyst** FRS  
**Thinner** FRSL

### Specifications



**Meets the following requirements:**  
JAR/FAR Part 25 §25.853 (a), (c/d)

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**

40 m<sup>2</sup>/kg pour 10 µm (0.39 mils) dry (base and hardener not diluted)

#### **DRY FILM WEIGHT**

1,2 (approximately)

#### **VOC**

590 g/L (ISO 11890-1 and ASTM 3960)

#### **SHELF LIFE / STORAGE**

24 months for the base and the hardener, and 48 months for the thinner stored between 5°C and 35°C (41°F and 95°F) in full and sealed original packaging.

#### **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

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Instructions for use



### SPRAY APPLICATION

#### MIXING RATIO

	Mixing ratio by weight	Mixing ratio by volume
Base	100	8 V
Hardener / Catalyst	15	1.5 V
Thinner	10 to 20	1 to 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. The mixture by weight is recommended. Mix the base and the hardener until the material is homogeneous. Then add the thinner and mix. The mixture must be made at a temperature between 15°C and 35°C (60-95°F).

#### INDUCTION TIME

None

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

Dilution rate by weight	ISO 4
10%	29s ± 5s

#### POT LIFE

4 hours at 23°C

#### 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.

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### BRUSH APPLICATION

#### MIXING PROCEDURE

#### INDUCTION TIME

None

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### Application recommendations



#### CONDITIONS

**Temperature** 15 to 35 °C (59°F to 95°F)  
**Relative humidity** 20 to 80 %

#### EQUIPMENT

**Gravity compressed air gun (Kremlin M 21 G)** Nozzle 1.4 to 1.5 mm (39.37 mils)

#### DRY / WET FILM THICKNESS

5 to 10 µm dry (0.19 mils to 0.39 mils)

#### NUMBER OF COATS

For a smooth aspect, apply one homogeneous wet coat.  
Do not exceed 24 hours between FRS40 application and the Soft Feel varnish application. Otherwise, sand lightly the surface before applying the varnish.

#### EQUIPMENT CLEANING

Clean the equipment with a suitable solvent such as FRSL from Mapaero.

#### NOTE

Spray with dry, oil-free air.

### Drying times



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

**60°C (140°F)**

N.A.\*  
2 hours  
12 hours

#### NOTE

After application, it is necessary to let evaporate 15 minutes at room temperature, then put in a drying oven for 2 hours at 60°C (140°F).

\*N.A. : Not applicable

### Defects & corrections



In case of defect, contact your Quality Department.

### Health & Safety



See the product Safety Data Sheet.

MSDS are available through our website [www.mapaero.com](http://www.mapaero.com) upon request

### Packing



The base FRS40 is available in 1 kg (ref : 210403XXB001K).  
The hardener FRS is available in 1 kg (ref : 21040000D001K).  
The thinner FRSL is available in 1L (ref : 51711000X001L) and 5 L (ref : 51711000X005L).

**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.