

TOPCOAT AEROMAP F300

SPECIAL COATINGS

AkzoNobel

Product information



Three components polyuréthane topcoat, resistant to high temperature (250°C) with a good chemical resistance.

Components



Base F300
Hardener / Catalyst 300-HT
Thinner FRSL

Specifications



Qualified in accordance with :
SONACA SMS N°0802

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
12m²/L for 40µm (1.6mils) of dry film

DRY FILM WEIGHT
1.2

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

SHELF LIFE / STORAGE
12 months for the base and the hardener, 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°. The theoretical consumption value doesn't take into account the transfer efficiency for spray application

Surface preparation



All recommendations mentioned above are given for information.

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Instructions for use



SPRAY APPLICATION

Base
Hardener / Catalyst
Thinner

Mixing ratio by volume

2V
1V
0.9V to 1.1V

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.

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

The mixture must be made at a temperature between 15 and 35°C (59 and 95°F).

Remark : It is recommended to sieve the mixture using a 150µm (5.9 mils) filter.

INDUCTION TIME

None

Spraying viscosity at 20°C / 68°F

Dilution
1V

AFNOR 4
18s ± 3s

ISO 4
31s ± 4s

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.

The ISO 4 cup is the recommended cup. The others are given for informations purposes

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Application
recommendations



CONDITIONS

Temperature 15°C to 35°C (59-95°F)

Relative humidity 30% to 75%

EQUIPMENT

Gravity compressed air gun Nozzle 1.2mm to 1.4mm

DRY / WET FILM THICKNESS

30 to 40µm (1.2-1.6mils)

NUMBER OF COATS

Apply one fine homogeneous coat, let dry 10 to 20 minutes.
Then apply a second fine coat to obtain 30 to 40µm dry.

EQUIPMENT CLEANING

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

NOTE

Spray with dry and oil-free air.

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Drying times



	23°C	40°C	60°C	Thermo IR (90°C)
Dust free	40 minutes	N.A.*	N.A.*	N.A.*
Dry to handle	4 hours	2 hours	1 hour	15 minutes
Fully Cured	14 days	7 days	2 days	1 hour

NOTE

Drying times have determined using pieces of a thickness < 2mm and for 35µm (1.4 mils) of dry film. Let it flash off 1 hour at room temperature before accelerated drying.

*N.A. : Not applicable

Defects & corrections



In the event of defect, contact your Quality Department.

Health & Safety



See the product Safety Data Sheet.

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

Packing



The F300 base is available in 4L.
The 300-HT hardener is available in 2L.
The FRSL Thinner is available in 1L and 5L.
The F300 Kit is available in 1L.

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.