

VARNISH 1500-FR PEARL EFFECT

FIRE RETARDANT FINISHES FOR CABIN INTERIORS

AkzoNobel

Product information



Three-component solvent based polyurethane clear coat with pearl effect.

Components



Base 1500-FR PEARL
Hardener / Catalyst 1500-FR
Thinner FRSL

Specifications



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
9m²/L for 50µm dry

DRY FILM WEIGHT
1.1

VOC
500 to 550 g/L

COLOR
Clear with pearl effect.

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

Surface preparation



Apply the pearl effect clear coat between 1 and 24 hours to 23 +/- 5°C (73.4 +/- 41°F) after FRS40 application.
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	2V
Hardener / Catalyst	50	1V
Thinner	0 to 50	0 to 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.

The mixture by weight is recommended.

Mix the base and the hardener until the material is homogeneous. Then add 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	CA 4
15%	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.

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Application
recommendations



CONDITIONS

Temperature 15 to 35°C (59°F to 95°F)

Relative humidity 30 to 70%

EQUIPMENT

Pneumatic spray gun : 1.2 to 1.5mm

DRY / WET FILM THICKNESS

10 - 40µm dry (20 - 90µm wet).

NUMBER OF COATS

Follow recommendations above and apply the product in crossed coats to achieve the desired thickness. Number of layers will depend on the shape, the size of the piece to be applied and the required pearl effect.

EQUIPMENT CLEANING

Clean the equipment with a suitable cleaning solvent such as MAPAERO FRSL.

NOTE

Spray with dry and oil-free air.

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Drying times



Dust free
Dry to handle
Dry to tape
Recoatable
Fully Cured

	23°C	60°C
Dust free	1 hour	N.A.
Dry to handle	6 hours	1 hour
Dry to tape	8 hours	2 hours
Recoatable	2 to 24 hours	N.A.
Fully Cured	7 days	12 hours

NOTE

Drying times have been determined using test pieces of a thickness <2mm and for 20 µm (0.8 mils) of dry film.

*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 1500-FR Pearl base is available in 1L and 5L
The 1500FR hardener is available in 1L and 5L
The FRSL thinner is available in 1L and 5L

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.