

Product information



Thick polyurethane coating for protection against erosion of aircraft parts such as radomes, extension of the slats, air inlets, leading edges.

Components



Base MAPCOAT
Hardener / Catalyst MAPCOAT
Thinner MAPCOAT

Physical properties



THEORETICAL COVERAGE

2.5 m²/kg (510 ft²/gal) for 200 µm (1.6 mils) dry (base and hardener undiluted)

DRY FILM WEIGHT

1.2

COLOR

Grey AFNOR 4, Black, White

SHELF LIFE / STORAGE

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

GLOSS LEVEL

5 GU to 13 GU below 60°

NOTES

The theoretical consumption value don't take into account the transfer efficiency for spray application.

Surface preparation



MAPCOAT coating should be applied onto our 9014-B primer within 30 minutes up to 60 minutes after the application of the primer.

All recommendations mentioned above are given for informations purposes.

Instructions for use



SPRAY APPLICATION

MIXING RATIO

Base

Hardener / Catalyst

Thinner

Mixing ratio by weight

100

45

0 to 5

MIXING PROCEDURE

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

The MAPCOAT base should be mixed for 10 minutes in a pneumatic or oscillating mixer before use.

Mix the base and the hardener until the mixture is homogeneous before adding the thinner.

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

Remark : It is recommended to sieve the paint through a 120-150 µm (5-6 mils) filter.

INDUCTION TIME

5 minutes (approx.)

Spraying viscosity at 20°C / 68°F

AFNOR 6

25s ± 5s

NOTE

The viscosity mentioned above is 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.

MAPCOAT

SPECIAL COATINGS

AkzoNobel

Application recommendations



CONDITIONS

Temperature 15°C to 35°C (59°F to 95°F)
Relative humidity 30% to 75%

EQUIPMENT

Gravity compressed air gun Nozzle 1.2 mm to 1.8 mm

DRY / WET FILM THICKNESS

180 µm to 250 µm (7 to 10 mils) dry

NUMBER OF COATS

Apply 8 to 10 wet crossed coats at 3-5 minutes intervals for 180 µm to 250 µm (7 to 10 mils) dry.

EQUIPMENT CLEANING

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

NOTE

Spray with dry and oil-free air.

Drying times



Dust free
Fully Cured

23°C (73°F)
18 hours to 20 hours

60°C (140°F)
24 hours

NOTE

Drying times have determined using pieces of a thickness < 2mm and for 215µm (8.5 mils) of dry film.
Let flash off at room temperature 60 minutes before drying.

Defects & corrections



In case of defect, contact your Quality Department.

Health & Safety



See the product Security data sheets.

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

Packing



The MAPCOAT topcoat is available in kit of 1kg (690 Base + 310g Hardener).
The White MAPCOAT TOPCOAT is available in 1kg and 5kg.
The MAPCOAT thinner 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.