

PRIMER 9014-B

SPECIAL COATINGS

AkzoNobel

Product information



Tri-components polyurethane adhesion promoter. It is necessary to apply the 9014-B before applying MAPCOAT anti-erosion system.

Components



Base 9014-B
Hardener / Catalyst 9014-B
Thinner P

Specifications



Qualified in accordance with:
French Air Force : DCAN N°060/AERO/61
Embraer : MEP 10-124

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

21 m²/kg for 20 µm (0.8 mils) dry (base and hardener undiluted)

DRY FILM WEIGHT

1.5

VOC

450 g/L (Base+Hardener ISO11890-1 and ASTM D3960)

COLOR

White

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.

GLOSS LEVEL

Not applicable because the application of MAPCOAT system takes place before the drying of 9014-B Primer.

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

Surface preparation



The primer 9014-B should be applied, for example, on the surfacer P28, when the substrate is a composite, or on an anticorrosive primer such as AEROPRIM 530 when the substrate is treated aluminum alloy.

Contact us for information on uses on other metallic structures, surface treatments or paints.

All recommendations mentioned above are given for information.

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Instructions for use



SPRAY APPLICATION

MIXING RATIO

Base
Hardener / Catalyst
Thinner

Mixing ratio by weight

100
54
5 à 15

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 9014-B 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. Then add the thinner and mix. The mixture must be made at a temperature between 15°C and 35°C (60-95°F).

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

INDUCTION TIME

None

Spraying viscosity at 20°C / 68°F

Dilution rate by weight	AFNOR 4
10%	19s ± 2.5s

POT LIFE

6 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.

Application recommendations



CONDITIONS

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

EQUIPMENT

Gravity compressed air gun Nozzle 1.3 mm to 1.8 mm

DRY / WET FILM THICKNESS

15 µm to 25 µm (0.6 to 1 mils) dry

NUMBER OF COATS

Apply two cross coats to get 15-25 µm (0.6 to 1 mils) dry thickness.

EQUIPMENT CLEANING

Clean the equipment with a suitable cleaning thinner, such as thinner P of Mapaero.

NOTE

Spray with dry and oil-free air.

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Drying times



Recoatable

23°C
30 minutes to 1 hour

NOTE

Drying times have been determined using tests pieces of a thickness < 2mm for 20µm (0.8mils) of dry film.
Recoatable by MAPCOAT top coat.

*N.A. : Not applicable

Defects & corrections



In the event of a defect, contact your Quality Department.

In case of running, rejects or numerous inclusions: remove the paint with a lint free cloth and P thinner, and start again the process of application and reactivation of the previous coat.

Health & Safety



See the product Safety Data Sheet.
The MSDS are available through our website www.mapaero.com

Packing



The base and the hardener are only available in 1 L kit.
The Thinner P 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.