

STAT-100

SPECIAL COATINGS

AkzoNobel

Product information



Antistatic polyurethane paint for radomes and aircraft antennas treatment $5 < R < 100 \text{ M}\Omega$.

Components



Base STAT-100
Hardener / Catalyst STAT-100
Thinner P

Specifications



Qualified in accordance with:
Airbus Helicopters : ECS2217

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
6 m²/kg for 40 µm (1.6 mils) dry (base and hardener undiluted)

DRY FILM WEIGHT
2

COLOR
Almond-Green

SHELF LIFE / STORAGE
12 months for base and hardener stored between 5°C and 35°C (41°F and 95°F) in full and sealed original packaging.
48 months for 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



Prepare the surface to be applied by sanding the primer (for example P28) using an orbital sander and sandpaper grade 240 to 400.
Blow air and clean with air an isopropyl alcohol soaked cotton rag.
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

30

5 to 20

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.

STAT-100 base should be mixed for 10 minutes in a pneumatic or oscillating mixer before use.

Mix base and 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).

Sieve the paint through a 120-150 µm (4.7-5.9 mils) filter.

INDUCTION TIME

None

Spraying viscosity at 20°C / 68°F

CA 4

DIN 4

ISO 4

17 to 20 s

14 to 19 s

20 to 29 s

POT LIFE

1 h 30

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 to 25°C (59°F to 77°F)

Relative humidity 30 % to 75 %

EQUIPMENT

Gravity compressed air gun Nozzle 1.4 mm

DRY / WET FILM THICKNESS

30 µm to 40 µm (1.2 to 1.6 mils) dry

NUMBER OF COATS

Apply one crossed coat 50 to 70 µm (2 to 2.8 mils) wet, i.e 30 to 40 µm (1.2 to 1.6 mils) dry.

After application, we get a smooth and bright appearance that will become matt during solvent flash-off. Exceptionally a second crossed layer can be applied after 20 minutes.

For drying and control of the resistance, see our procedure: Application Instructions/Control n° 05/110.

EQUIPMENT CLEANING

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

NOTE

Spray with dry oil-free air.

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Drying times



Dust free
Recoatable
Fully Cured

NOTE

30 to 40 µm (1.2 to 1.6 mils) dry.

*N.A. : Not applicable

23°C (73°F)

4 hours

1 to 8 days

7 days

Defects & corrections



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

Health & Safety



See Product Safety Data Sheet.

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

Packing



STAT-100 kit (base+hardener/catalyst) is available in 1 kg.
Thinner P is available in 1 litre.

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.