

STATIC F1

SPECIAL COATINGS

AkzoNobel

Product information



Antistatic polyurethane coating allowing the flow of electrostatic charges.
Electrical resistance of the surface is 5 to 100 M .sq after being fully cured.

Components



Base Static F1
Hardener / Catalyst Static F1
Thinner P

Specifications



Meets the following requirements:
Daher-Socata

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

7 m²/kg (390 ft²/gal) for 40 µm (1.6 mils) dry (base and hardener undiluted)

DRY FILM WEIGHT

2

COLOR

Almond green

SHELF LIFE / STORAGE

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

Semi-gloss, matt

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 slightly sanding the primer (for example P28) using an orbital sander and sandpaper grade 240-400.
Blow through and clean with an isopropyl alcohol soaked cotton rag.

STATIC F1

SPECIAL COATINGS

AkzoNobel

Instructions for use



SPRAY APPLICATION

MIXING RATIO

Base

Hardener / Catalyst

Thinner

Mixing ratio by weight

100

30

20 to 30

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 STATIC F1 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).

Sieve the paint through a 120-150 µm (5-6 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

Application recommendations



CONDITIONS

Temperature 15 °C to 25 °C (59°F to 95°F)

Relative humidity 30 % to 75 %

EQUIPMENT

Gravity compressed air gun Nozzle 1,5 mm to 1,8 mm

DRY / WET FILM THICKNESS

30 µm to 40 µm (1.2 to 2.4 mils) dry/50 µm to 70 µm (3 to 5.9 mils) wet

NUMBER OF COATS

Apply one crossed coat 50 to 70 µm (3 to 5.9 mils) wet, i.e. 30 to 40 µm (1.2 to 2.4 mils) dry.

After application, we get a smooth and shiny appearance that becomes matt after solvent flash-off.

Exceptionally, a second crossed layer can be applied after 20 minutes.

For drying and control of the resistance, see our procedure: instructions of application/Control Nr 06/170.

EQUIPMENT CLEANING

Clean the equipment with a suitable cleaning thinner, such as P Thinner

NOTE

Spray with dry oil-free air.

STATIC F1

SPECIAL COATINGS



Drying times



Dust free
Recoatable
Fully Cured

NOTE
30 µm to 40 µm (1.5-2.5 mils) dry.
Before accelerated drying, let flash-off for 1 hour at 60 ° C (140°F).
*N.A. : Not applicable

23 °C (73°F)
15 minutes
1 to 8 days
7 days

60 °C (140°F)
N.A.*
1 hour
12 hours

Defects & corrections



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

Health & Safety



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

Packing



STATIC F1 kit (base+hardener/catalyst) is available in 1 kg container.
Thinner P is available in 1 litre container.

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.