

# MAPAERO STATIC F1

## SPECIAL COATINGS



### Product information



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

### Components



**Base** Static F1  
**Hardener / Catalyst** Static F1  
**Thinner** P

### Specifications



#### Meets the following requirements:

Daher-Socata

### Physical properties



#### **THEORETICAL COVERAGE**

77 m<sup>2</sup>/kg (390 ft<sup>2</sup>/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

### 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.

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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 (64°F) and 25°C (77°F) during 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

20 to 30 minutes (approximately)

#### 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 Mapaero P Thinner

#### NOTE

Spray with dry oil-free air.

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### Drying times



**Dust free**  
**Recoatible**  
**Fully Cured**

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

**60 °C (140°F)**  
N.A.\*  
1 hour  
12 hours

#### NOTE

N.A.\* : non applicable  
30 µm to 40 µm (1.5-2.5 mils) dry.

Before accelerated drying, let flash-off for 1 hour at 23 ° C (73°F).

### Defects & corrections



In case of defect, please contact your Quality Department.

### Health & Safety



See the product safety data sheets.

MSDS are available through our website [www.mapaero.com](http://www.mapaero.com) upon request.

### Packing



MAPAERO 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.