

PRODUCT DATA SHEET

FER GG 11
Micaceous enamel

CHARACTERISTIC Finish based on modified alkyd resins, anti-corrosion pigments, aluminum and micaceous iron oxide that produces a particular barrier effect with good coverage power. Low tendency to sagging and fast drying allow applications that guarantee a finish with excellent visual consistency, uniform thickness, adequate coverage of the edges and a good corrosion protection and a decorative look with metallic effect, like wrought iron.

It can be applied directly on iron supports as undercoat - finish. Best resistance still are obtained using specific undercoats.

USE Given its particular aesthetic effect, it is suitable for decoration and protection from the weathering, in rural, marine or industrial environments, new structures or structures undergoing maintenance such as railings, gates, windows, framework made of different materials. Sanding dust and/or spraying and dry paint residue should not be accumulated since they can cause spontaneous combustion.

PROPERTY OF THE PRODUCT

	VALUE	METHOD
Application temperature	< +120 °C	
Flash point	27°C	
Solid by volume	55% ± 2	
VOC	455 g/l	
Brilliance 60°	10-15	

SPECIFICATION DATA

	VALUE	METHOD
Specific weight	1250-1350 g/l	Internal PF3
Drying Time	Fully 12 h	Internal PF2

THICKNESS AND YIELD

	Min.	Max	Recommended
Thickness of dry film, µm	40	80	50
Thickness of wet film, µm	73	146	90
Theoretical yield, m²/l	13,7	6,8	11
Theoretical yield, m²/kg	10,5	5,2	8,5

STORAGE Product is stable till one year as long as it is kept in original and unopened buckets at temperature between +5°C e +30°C.

COLOUR As per colour chart. Between one production and the other, tint may be slightly different, it is therefore important to finish the job with the same batch.

PREPARATION OF SURFACE

General observation: Surface must be dry and clean from any kind of oil, grease and salts.

Coated surface

With primer: it can be painted if the substrate is clean and free of dirt, oil, grease, and the application falls within the maximum re-coat time of the primer. If cleaning is required, perform pressure washing grade Wa 2 (surface free of oil, grease, salt, dirt).

With complete finishing coat: if undamaged compatible and non-chalky perform cleaning from any oil and grease with detergent, then run sanding surface followed by pressure washing to remove dust and salts.

Rusty coating: perform mechanical preparation St2 or St3 followed by pressure washing to remove oil, grease, dust and salt or sand blasting Sa2 or Sa2½; then

PRODUCT DATA SHEET

FER GG 11
Micaceous enamel

	restore the thickness of primer. <i>Localized maintenance:</i> perform mechanical preparation St2 or St3 followed by pressure washing to remove oil, grease, dust and salt or sand blasting Sa2 or Sa2½. Round off the edges of the well anchored painting and restore the system in the original layers and thicknesses.	
TOOLS	Conventional or airless spray: Nitro NV 5000 (with high temperature and humidity <40% it is possible the formation of "dusting"), roller, brush.	
APPLICATION	Thinning	Conventional or airless spray: 5-10% by Diluente S800 Roller, brush: 5-10% by Acquaragia VD100
	Application condition	+5°C +40°C >3°C at dew point Relative humidity: <70%
	Application by airless	Nozzle pressure: 15 MPa (150 kp/cm², 2100 psi). Nozzle: 0,28 - 0,38 mm (0,011 - 0,018") Angle range: 40 - 80° Air pressure: Compression ratio 30:1 (pressure 150-180 kg/cm²)
	Application by conventional spray	Nozzle: 1,6 – 1,8 mm Angle range: 40 - 80° Air pressure: 3,5-4 kg/cm²
	Thinner for washing	Thinner Diluente S800
DRYING TIME	Dry time are purely indicative as it might be longer or shorter by keeping in consideration ventilation, humidity, thickness of the applied film. High thicknesses per coat and unfavorable environmental conditions slow down the drying and hardening depth. DTF 50 micron	

PRODUCT DATA SHEET

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Surface temperature	10°C	23°C
Out touch	45'	30'
Dry touch	12h	6h
Full	24h	12h
Minimum time of over application	45'	30'

RECOMMENDED PRIMER

 Galvanized steel, aluminum, alloys: Aridur, Chromocap W
 Steel: Primer 15, Chromocap TA

RECOMMENDED SYSTEM

 On galvanized steel
 Industrial atmosphere

Product	Coat	Wet Thickness	Dry thickness
Aridur	1	80	35
FER GG 11	1	90	50
Total	2	170	85

On steel

Product	Coat	Wet Thickness	Dry thickness
Primer 15	1	90	50
Primer 15	1	90	50
FER GG 11	1	90	50
Total	3	270	150

ALTERNATIVE SYSTEM

Product	Coat	Wet Thickness	Dry thickness
Crometal	1	100	65
FER GG 11	1	90	50
Total	2	190	115

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system may vary. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample.