PRODUCT DATA SHEET

FER ZN GG 13
Micaceous enamel for galvanized

CHARACTERISTIC

Finish based on modified alkyd resins, anti-corrosion pigments, aluminum and micaceous iron oxide that produces a particular barrier effect. 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 fast application. It ensures a good corrosion protection and a decorative look with metallic effect, like wrought iron.
Provides excellent adhesion on surfaces such as pre-painted wood, hard plastic, light alloys, galvanized iron, aluminum and therefore can be used in multiple layers as undercoat finish.

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	< +80 °C	
Flash point	27°C	
Solid by volume %	55% ± 2	
VOC (A+B)	455 g/l	
Brilliance 60°	10-15	

TECHNICAL 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	60
Thickness of wet film, µm	73	146	109
Theoretical yield, m²/l	13,7	6,8	9.2
Theoretical yield, m²/kg	10,5	5,2	7.1

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

The range of colors can be chosen in shades of RAL. 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

The treatment of the surface to be coated is of primary importance and affects the performance of the coating cycle.
A good and correct preparation of the substrate is a guarantee of quality on the duration of the coating: a high quality product applied on a poor substrate or on substrate inadequately treated is destined to an early wear, characterized by possible alteration of the coating itself.

HOT GALVANIZED STEEL
It is important to remember that the galvanized sheet must be passivated leaving the products exposed to atmospheric agents for at least two months; then proceed with a light sanding to remove the superficial oxidation patina formed and degrease

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001

PRODUCT DATA SHEET
FER ZN GG 13
Micaceous enamel for galvanized

the surfaces with Nitro NV 5000 thinner.
Alternatively, a light silica sandblasting is recommended.

ALUMINUM AND LIGHT ALLOYS
Perform a light sanding with P180 P220 sanding paper. Clean the surface to be treated with Nitro NV 5000 thinner and make sure it is dry and free from silicone, waxes, greases and foreign substances in general.

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 restore the thickness of primer.
Localized maintenance: 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"; in this case use Diluente S 800) roller, brush.

APPLICATION

Thinning	Conventional or airless spray: 5-10% with Diluente Nitro NV 5000 Roller, brush: 5-10% by Diluente Nitro NV 5000
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/cm^2)
Application by conventional spray	Nozzle: 1,6 – 1,8 mm Angle range: 40 - 80° Air pressure: 3,5-4 kg/cm^2
Thinner for washing	Diluente Nitro NV 5000

DRYING TIME

I dati forniti devono essere considerati puramente indicativi. Il tempo di essiccazione effettivo può essere inferiore o più lungo, tenendo conto dello spessore del film, della ventilazione e dell'umidità. Spessori elevati per strato e condizioni ambientali sfavorevoli rallentano l'essiccazione e l'indurimento in profondità.

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001

PRODUCT DATA SHEET

FER ZN GG 13
Micaceous enamel for galvanized

	DTF 50 micron		
	Surface temperature	10°C	23°C
	Out touch	45’	30’
	Dry touch	12h	6h
	Full	24h	12h
	Minimum time of over application	45’	30’
	Maximum time of over application	Nn	Nn

RECOMMENDED PRIMER

Galvanized steel, aluminum, alloys: Directly
Steel: Primer 15, Crometal TA

RECOMMENDED SYSTEM

On galvanized steel
Industrial atmosphere

Product	Coat	Wet Thickness	Dry thickness
FER ZN GG 13	1	109	60
FER ZN GG 13	1	109	60
Total	2	218	120

On steel

Product	Coat	Wet Thickness	Dry thickness
Primer 15	1	100	60
Primer 15	1	100	60
FER ZN GG 13	1	109	60
Total	3	309	180

ALTERNATIVE SYSTEM

Product	Coat	Wet Thickness	Dry thickness
Crometal	1	107	60
FER ZN GG 13	1	109	60
Total	2	216	120

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.

CAP ARREGHINI SpA 30026 PORTOGRUARO/VE Viale Pordenone, 80 Tel.0421 278111 Fax 0421 75498/ 0421 278115
Azienda con Sistema Certificato UNI EN ISO 9001