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**TECHNICAL DATA SHEET****No. NF 324.0****Date: 15.09.2005****Page 1/2**

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**CODE 5289/0000****DESCRIPTION****ZINC-RICH ORGANIC EPOXY****COLOUR Metal grey****CHARACTERISTICS AND USE**

Solvent base two component epoxy base paint rich of metal zinc powder, which guarantees in time an active galvanic type protection.

It is suitable for all main painting cycles of steel items.

**PRODUCT PREPARATION**

**MIXING RATIO BY WEIGHT**  
100 parts with 10 parts of 9926/4000

**THINNING** 5-10% maximum with epoxy thinner 9043/

**POT LIFE** at 20°C – within 8-12 hours

**TECHNICAL DATA****PHYSICAL DATA**

	<b>Tolerance</b>	<b>U.M.</b>	<b>Alcea Method</b>
Specific weight.....	2,870	(± 0,05)	kg/l ME 14
* Ford visc. 8/20°C.....	tixo	seconds	ME 16
Dry by weight.....	88%	(± 2)	kg/kg ME 15
Dry in volume.....	20%	(± 1)	l/kg ME 15
Dry by volume.....	58%	(± 2)	l/l ME 15

**THEOR. PERFORMANCE** 75 dry microns..... 2,6-2,8 m<sup>2</sup>/kg ME 82

**SUGGESTED THICKNESS** 70 - 80 dry microns (min. 40 - max. 120)

**DRYING** (ALCEA - METHOD ME 81)

(Data determined at room temperature of 20°C and relative humidity of 70%)

\* Dust free time..... 2-3 hours

Ready for handling..... 24 hours

## SUBSTRATE TYPE AND PREPARATION

Sanding nearly till the white metal at Sa 2½ degree of SIS 1967 (SSPC-SP10) in the presence of rust and calamine.

Sanding till the white metal (Sa 3 degree) in the presence of old paintings and for structures foreseen for immersion.

## APPLICATION METHODS

- Spraying: cup spray gun, airless.

By airless with a pump having a minimum compression ratio of 30:1

Hydraulic pressure equal to 150-180 atmospheres.

Suggested nozzle 020"-024"

During its application it is necessary to keep the product continuously stirred due to the zinc powder high specific weight.

To be applied at temperatures not lower than 10°C and with relative humidity not higher than 85%.

## RESISTANCE PROPERTIES

The zinc-rich product has good resistance to high temperatures and to sea atmosphere;  
operating temperature range - 50°C + 200°C

## FOLLOWING TREATMENTS

The zinc-rich 5289/0000 can be overcoated after 24-48 h. (at 23°C ± 2° and relative hum. of 50% ±5%).

Due to the metallic zinc reactivity, the 5289/0000 has to be always overcoated by using as intermediate NOT saponifying products as the chlorinated rubber ones (our ALCEITE Series 5102/) and the epoxy ones (our first coats Epox Series 5203/XXXX and 5204/XXXX, epoxy-vinyl ones 5253/4678 and 5253/4698).

You have NOT to overcoat with alkyd base resins products..

**STOCKING** Beware: The product has to be stored in its original cans, protected from heat and humidity sources, at a temperature range within + 5°C and max. + 35°C.

Absolutely to protect from rain.

**SHELF-LIFE** The product stored under the above mentioned conditions has a 8 months stability from the production date.

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\* The values marked by an asterisk are practically determined for each testing.

The data contained in this data sheet are the result of many tests and have to be considered as excellent reference values.

Due to the fact that the application methods and the working systems are however very different, for the said reason we cannot give any guarantee for any single case.

The present updated version cancels and replaces the previous ones.