



# Ard f.lli raccanello s.p.a.

## Industria vernici e smalti

TECHNICAL SHEET 13

CODE 0.293/0.296

### salvaferro

High performance anti corrosive micaceous iron enamel

#### GENERAL PROPERTIES

SALVAFERRO is a highly prestigious enamel based on selected micaceous iron oxide & particular resins which lend an astounding exterior durability as well as the following properties:

**Barrier effect:** derives from the particular laminar structure of the micaceous iron oxide present in parallel layers inside the paint film, which hinders the penetration of water, oxygen and the chemical agents in polluted atmospheres.

**Shielding effect:** the presence aluminium lamellae and micaceous iron oxide on the surface prevent ultraviolet rays from reaching the underlying layers, therefore retarding the decay of the binder.

**Passivating effect:** exercised by the zinc phosphate, a highly effective anti-corrosive pigment.

SALVAFERRO is an excellent metallic effect finish for iron structures exposed to humid, industrial or marine environments.

Its unique aesthetics, high-end decorative metallic appearance & protective power make SALVAFERRO the ideal product for iron articles such as gates, street lamps, railings, balconies & grates.

#### INSTRUCTIONS

##### Surface preparation:

**Bare iron surfaces:** remove any flaky lamination & rust with a wire brush or emery cloth. Clean the surface accurately and apply 2 layers of SALVAFERRO in the desired colour.

**Traditional finish:** 24 hrs after applying the second layer recoat with a synthetic enamel such as ARDEOL 0.151 or NEOARD 0.154 according to the finish desired.

**Unsound painted iron surfaces:** remove any trace of rust & unsound paintwork. Sand & retouch any corrosive areas with a coat of SALVAFERRO. Allow 24 hrs & apply 2 layers of SALVAFERRO.

Service life can be improved by applying a preventive layer of ARDINOX 0.032.

##### Application:

Apply SALVAFERRO as follows:

- **Brush or roller:** stir well, dilute at 7 – 8% in volume with Diluente ARD 0.970.0030. Apply crosswise (wetting the surface accurately) *abreuvoirs require particular attention*. Allow at least 24 hrs between coats.
- **Compressed air spraying:** dilute with a max of 8% in volume of Diluente ARD 0.976.0040 using the appropriate equipment. Allow at least 24 hrs between layers.
- In order to guarantee anticorrosive protection the laminar must be positioned in layers parallel to the substrate using at least 70 microns of dry product per layer.
- An aesthetically perfect finish can be obtained by using compressed air spraying for, at least, the final layer.
- If a sheen effect (see colour show card) is desired, a brush finish of SALVAFERRO TRASPARENTE must be applied *-refer to the TDS n. 17 for further instructions-*.
- Ensure adequate ventilation during application.
- Do not apply if ambient or substrate temperature is below +5°C or above + 35° C. Avoid application under direct sunlight.
- Wash equipment immediately after use with Diluente ARD 0.970.0030.
- Salvaferro is inflammable; use in compliance (transport/stocking/application) in compliance with the current Hygiene & Safety Regulations. Allow residues to dry out and treat them as special waste. Do not release the containers into the environment.

Refer to the PSDS for further details.

<b>TECHNICAL PROPERTIES</b>	SPECIFIC WEIGHT	1480 ± 50 g/l	
	VISCOSITY AT 20°C	2800 ± 200cP	
	DRY RESIDUE IN VOLUME %	45 ± 2	
	DRYING AT 20° C	Dust free	6 hrs
		Touch dry	12 hrs
		Dry	48 hrs
FLASH POINT	+ 42° C		

## YIELD

For a satisfactory result we suggest applying at least two layers of SALVAFERRO with a 140-150 micron dry film thickness. Said thickness together with a correct application provides a coverage of approx 4,5 m<sup>2</sup>/l.

## SPECIFICATIONS

### HIGH PERFORMANCE ANTI CORROSIVE MICACEOUS IRON ENAMEL

Application on treated iron surfaces of two layers of micaceous iron enamel based on alkyd resins, zinc phosphate, micaceous iron oxide, aluminium laminar, outdoor & light resistant pigments type SALVAFERRO with a minimum consumption of 0.22 l/m<sup>2</sup>.

Per m<sup>2</sup> €.

The data herein were correct at the time of Quality Control and refer to standardized environmental conditions. The same are to be considered as a guide.

Revision 2015/07



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