

Ferrocem

Passivating slurry for reinforcing irons of the reinforced concrete.



Fields of application:

- for the protection of reinforcing irons from oxidation and corrosion;
- indicated for the concrete recovery cycle with Fibrocem Tissotropico or Fibrocem Rapido;

- to increase the adhesion between mortar and existing concrete;
- professional use only.

Characteristics:

Ferrocem is made of special polymers and cements able to guarantee a perfect adhesion on iron or cement materials, also aiding a perfect resistance to chlorides, nitrates, sulfates and carbon dioxide. The powder formula to be mixed only with water further makes **Ferrocem** practical and with guaranteed performance. This product is indicated for indoor and outdoor civil, commercial and industrial applications.

Application:

Ferrocem must be applied with brush avoiding every material excess on the round irons previously cleaned and brushed from rust. Apply **Ferrocem** with a thickness of max. 1 mm every coat, waiting until it is hardened before rebuilding the parts with the restoration mortar **Fibrocem Tissotropico** or **Fibrocem Rapido**.

Preparation:

remove any fragments that are coming away or are not firmly in place. Remove the areas with high concentrations of acid, as shown by measuring the pH with phenolphthalein. Carefully clean the surface to treat and brush or sand the rebars to remove all trace of rust and anything not in good condition. Then wash with clean water.

Quality and Environmental Standards:

Ferrocem undergoes constant, careful testing at our laboratories, in compliance with the legislation in force -UNI EN ISO 9001/2015.

CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-040 FERROCEM EN 1504-7:2006	
Cement-based mortar for protecting the reinforcements of concrete against corrosion in civil works and buildings	
Fire reaction	AI
Cutting adhesion	Test passed
Protection against corrosion	Test passed
Release of harmful substances	See Safety sheets

Characteristics	Application methods	Consumption
One-component Anti-corrosive For indoor and outdoor application Granulometry: 0.4 mm Passivating High adhesion	Brush	160 gr/ml with 10 mm round iron Storage Shelf life of 12 months in the original packages and in a fresh, dry place

Code	Product	Form and color	Packages	Pallet
402005	Ferrocem	Green Powder	10 pz X 2 Kg	480 kg
402010	Ferrocem	Green Powder	4 X 5 kg	480 kg

Warning:

- do not use as anti-corrosion top-coat;
- do not apply in thicknesses of over 2 mm;
- do not apply in temperatures below +5°C or above +35°C;
- the second coat must be applied within 24 hours.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	20-21% (approx. 1 l per 5 kg bag)
Specific weight of mixture:	1.05 g/cm³
Mixture pH:	over 11
Application temperature:	from + 5°C to + 35° C
Pot life:	60 minutes

FINAL PERFORMANCE SPECIFICATIONS

Waiting time before applying reconditioning mortar:	4/5 hours
Adhesion to concrete:	> 2.5 N/mm²
Room/ambient temperature:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

