



Fibrocem Rapido

Thixotropic mortar with rapid setting for the restoration of concrete.















Fields of application:

- for rapidly restoring degraded concrete;
- for rapidly rebuilding the iron covering layer in reinforced concrete decayed due to reinforcing iron oxidation (previously treat reinforcing irons with Ferrocem);
- for rapidly filling holes in screeds, industrial floors, etc;
- for promptly restoring pillars, beams, treads, risers, edges, etc;
- professional use only.

Characteristics:

Fibrocem Rapido is a mortar made of selected aggregates, 52.5 Portland cement in class I, fibers and special polymer-acrylic additives able to guarantee a nonseparable thixotropic mixture with compensated shrinkage, that can reach high initial and final mechanical strength with a perfect adhesion on surfaces in concrete and reinforced concrete. **Fibrocem Rapido** is formulated for ensuring a long workability time and lasting solutions in the most delicate conditions. This product is indicated for indoor and outdoor civil, commercial and industrial applications.

Preparation:

carefully clean the surface to recondition, removing any dust, grease, or paint and remove all the parts not attached firmly in plasce until the base is a completely solid layer. Clean the reabrs by sanding or careful brushing, removing all trace of rust and fragments that are coming away. Roughen up the base considerably and soak with plenty of water, and then wait for the excess water to evaporate.

Application:

Fibrocem Rapido must be mixed with 4.5 l of water every 25 kg bag with a concrete mixer or a low speed stirrer, till getting a smooth mixture free of lumps.

Do not add other hydraulic binders or aggregates. Apply the product with a smooth spatula or trowel. If several coats must be overlapped, apply the product before the previous coat has set, treating the degraded reinforcing irons with **Ferrocem**, anti-rust passivating product. Smoothing can be made with **Raso Crete**.

Quality and Environmental Standards:

Fibrocem Rapido 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-01-038 FIBROCEM RAPIDO EN 1504-3:2005 PCC hydraulic mortar modified with the addition of polymeric additives for the structural repair of concrete				
Resistance to compression	n Class R3			
Fire reaction	Al			
Adhesion	≥ 1,5 MPa			
Resistance to carbonation				
Content of chloride ions:	≤ 0.05 %			
Elastic modulus:	≥ 15 GPa			
Capillary absorption and v permeability	vater ≤ 0.5 kg * m = 2 + h = 0 , 5			
Thermal compatibility par Release of harmful substa	t I: ≥ 1,5 MPa inces See Safety data sheet			

Characteristics	Application methods	Consumption
One-component Mixture pot life: about 20 minutes Mixture water: about 4.0 I every bag Min. coat thickness I cm	Trowel Smooth trowel Spraying	19 kg/m² every cm of thickness Storage
Max. coat thickness: 2 cm Resistance to compression after 28 days: 29.9 N/m² Resistance to flexure after 28 days: 5.5 N/m² Working temperature: from -30° to +90°a Granulometry: 1.2 mm		Shelf life of 12 months in the original packages and in a fresh, dry place

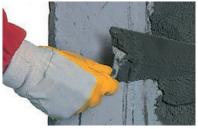
Code	Product	Form and color	Packages	Pallet
404325	Fibrocem Rapido	Grey	25 kg	1500 kg



Warning:

- do not apply in temperatures below $+5^{\circ}\text{C}$ or above $+35^{\circ}\text{C}$;
- do not apply to concrete surfaces that are particularysmooth; roughen up the surface prior tu use;
- after application, ensure the area reconditioned sets properly by making sure the water does not evaporate too fast;
- do not apply to frozen bases or those at risk of freezing during the 24 hours following application;
- do not use with plastering machines.





Technical and application specifications			
Hazard classification as per Directive 99/45/EC:	irritant		
Specific weight of mixture:	2 g/cm³		
Pot life:	approx. 5 minutes		
Complete setting time:	approx. 20 minutes		
Application temperature:	from +5°C to +35°C		
Mixing water ratio:	16-17% (weight)-i.e. approx. 3.2 l per 25 kg bag		
Mixture pH:	over 12		
Minimum coat thickness:	I cm		
Maximum coat thickness:	2 cm		
FINAL PERFORMANCE			
Compression resistance after 3 hours:	> 10.5 N/mm ²		
Compression resistance after 7 days:	> 25.4 N/mm²		
Compression resistance after 28 days:	> 29.9 N/mm ²		
Bending resistance after 3 hours:	> 2.4 N/mm ²		
Bending resistance after 7 days:	> 4.7 N/mm²		
Bending resistance after 28 days:	> 5.5 N/mm²		
Adhesion to concrete after 7 days:	> 1 N/mm²		
Room/ambient temperature:	from -30°C to +90°C		
Harmonised customs code:	38245090		

 $Measurement of data \ at \ 23^{\circ}C/50\% \ Residual \ Humidity \ and \ no \ ventilation. \ The \ data \ may \ be \ considerably \ modified \ by \ the \ conditions \ of \ use.$