

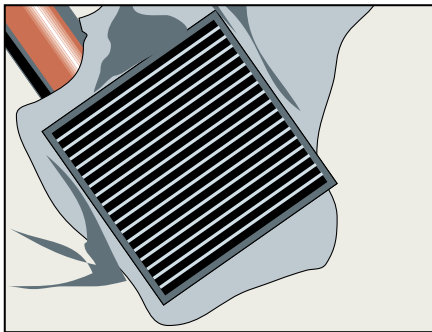
EPOXYANCHOR ABC

WATERPROOF EPOXY-CEMENT BASED CASTABLE MORTAR
THREE-COMPONENT, WATERPROOF, LOW ELASTIC MODULUS
FOR HIGH RESISTANCE ANCHORING

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS	
THREE-COMPONENT	WATER BASED	WATERPROOF		MIX MECHANICALLY	STORAGE: IN A DRY PLACE	STORAGE: KEEP AWAY FROM FROST

PROBLEM

ANCHORING METAL ELEMENTS SUBJECT TO STRAIN DUE TO DYNAMIC LOADS



SOLUTION

EPOXYANCHOR ABC is a waterproof pre-mixed mortar with high mechanical and chemical resistance and a low elastic modulus. EPOXYANCHOR ABC consists of 2 liquid components and a powder component: Component "A" is a mixture of a special epoxy resin, component "B" consists of a mixture of special hardeners, component "C" is a cement, and quartz sand based pre-mix in selected curve with additives that enhance workability and performance. This special system provides a very workable liquid mortar with innovative features compared to the old systems: high chemical, mechanical, impact and abrasion resistance combined with a low elastic modulus and easy workability.

APPLICATION FIELDS

EPOXYANCHOR ABC can be used for anchoring metal elements subject to strain due to dynamic loads on concrete, as mortar for repairing concrete industrial floors and structural reinforcements of beams and pillars, repairing joints in industrial floors, repairing bases of heavy machinery, structural fastenings on scaffolding, basements etc. also subject to back-flow and chemical aggression (salt, chlorides, sulfates, etc.). It is also ideal in aggressive environments such as the marine environment.



ADVANTAGES

- High adhesion.
- Excellent waterproofing.
- High chemical and mechanical resistance.
- Low elastic modulus.

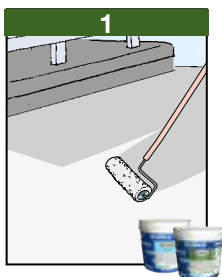
METHOD OF USE

• SURFACE PREPARATION

Existing concrete, concrete mortar and stone surfaces must be cleaned thoroughly, removing oil, grease and dust, and if they are crumbling, suitably treated prior to the application with BASE PRIMER AB water epoxy primer (1). Remove all traces of milky residue, efflorescence and form-releasing agents by milling, sand-blasting or with a chisel. Remove traces of rust and paints from metal surfaces.

• MIX PREPARATION

Mix component A with component B (2), using a low speed drill until the paste is smooth and avoiding the absorption of air. Add component C (powder) and mix until the paste is creamy and lump-free (3).



• APPLICATION

Pour the levelling mortar onto the clean substrate and spread it with a suitable spatula or rake (4). Thicknesses varying from 1 mm to 6 cm per layer can be obtained.

• COVERAGE

Approx 1,8 kg/m²·xmm.



• PRECAUTIONS

- The use time of the mix is about 30 minutes at a temperature of 20°C
- Do not add water once the mix starts to set.
- Straight after use clean the tools with water or alcohol.
- Do not apply the product at temperatures below +5°C
- Protect the applied mix from frost or high temperatures.
- Avoid contact with skin.



CARATTERISTICHE TECNICHE

		EPOXYANCHOR ABC		
		COMPONENT A	COMPONENT B	COMPONENT C
Appearance		Creamy fluid	Creamy fluid	Powder
Rapporto d'impasto		4.25	2.5	25
Density		1.14 ± 0.10 kg/L	1.00 ± 0.10 kg/L	1.35 ± 0.05 kg/L
Colour		Grey		
Storage in original packaging in a dry place, away from frost		12 months		
Mix properties and workability	Standard			
Density	EN 2811-1	1.80 ± 0.05 kg/L		
pH mix		approx 12		
Creep	EN 1544	<0.5 mm		
Workable mix duration (*)		approx 1 hour		
Setting time (*)		8 ÷ 10 hours		
Wait time - for complete hardening (*)		7 days		
Minimum application thickness		10 mm		
Maximum thickness of application by layer		60 mm		
Application temperature		+10°C ÷ +35°C		
Application		Manual		
Performance characteristics	Standard	Product performance		
Compression strength - after 28 days	EN 12190	≥80 MPa		
Compression strength - after 1 day		≥35 MPa		
Resistance to bending - after 28 days	EN 196-1	≥35 MPa		
Resistance to bending - after 1 day		≥20 MPa		
Chloride ion content	EN 1015-17	Absent		
Pull-out strength of steel reinforcement bars	EN 1881	<0.5 mm		
Compression elastic module	EN 13412	2 GPa		
Bond strength	EN 1542	≥3.0 MPa (Breakage of concrete)		
Glass-transition temperature	EN 12614	≥45°C		
Viscous sliding under traction load	EN 1881	<0.6 mm		
Thermal resistance - Working temperature	EN 1015-17	-30°C ÷ +90°C		
Fire reaction	EN 13501-1	class D		
Hazardous substances	EN 1504-6	in accordance to ZA.1 note		

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in test area <0.2 m/s. The data shown may vary depending on the specific work site conditions: temperature, humidity, ventilation, absorptency of the base coat.

(*) The stated times are longer or shorter as the temperature decreases or increases.

e le utilizzazioni del prodotto. Considerate le numerose possibilità d'impiego e la possibile interferenza di elementi da noi non dipendenti, non ci assumiamo responsabilità in merito ai risultati. L'Acquirente è tenuto a stabilire sotto la propria responsabilità l'idoneità del prodotto all'impiego previsto.

I dati esposti sono dati indicativi relativi alla produzione attuale e possono essere cambiati e aggiornati dalla INDEX in qualsiasi momento senza preavviso. I suggerimenti e le informazioni tecniche fornite rappresentano le nostre migliori conoscenze riguardo la proprietà

PACKAGING

EPOXYANCHOR ABC

- Component A: 4,25-kg-Pail
- Component B: 2,5-kg-Can
- Component C: 25-kg-Sack

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