la scelta giusta
per grandi progetti.

SCHEDA TECNICA

STABILCOL

BINDER FOR INJECTION

PRODUCT
Super-fluid cement-based expansion binder who, once mixed with water only, produces high mechanical resistance, expansive, super-fluid and bleeding-free injection grouts.

CHARACTERISTICS
The product is easy to prepare, it has excellent workability, high fluidity, excellent adhesion to concrete and reinforcements, high mechanical strength.
It is sulphate resistant.

APPLICATION FIELD
Filling of cavities and cracks in damaged masonry.
Consolidation and static reinforcement, by injection, of concrete structures, concrete and damaged masonry.

SUBSTRATES
Masonries and structures in reinforced concrete and concrete.

CONSUMPTION
1,6 - 1,8 kg per liter of volume to fill.

PACKAGING
20 kg bags on pallet of 1200 kg.

STORAGE
It can be stored 12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS
The consolidating filling by injection of cavities and cracks of structures in reinforced concrete, must be made with grout obtained by mixing water and bondings for injection, such as Stabilcol by Edilcol Italia, which has, after 28 days, a compressive strength ≥ 40 N/sqmm.

PREPARATION

- Prepare the structures to be treated by performing the holes and washing the internal cavities, even several times, entering a large amounts of water from above in order to cause the complete exit from the underlying holes of dust and loose particles.
- Mix a bag of Stabilcol with approximately 4,5 – 5,0 liters of water, either manually or with a mixer at a low number of turns, until obtaining a homogeneous and plastic mixture.
- Pour or inject at constant pressure immediately after briefly stirring the remained product occasionally.

RECOMMENDATIONS

Check that the supports are damp, clean, rough and tough, freeing them from dust, rust, oil, grease, loose or detached parts. Do not add other products to the mixture of Stabilcol or water to the product during the hardening phase.
Avoid outdoor application in very hot or windy days, on ice substrates, during the thaw or with risk of frost for the 24 hours following the application and at temperatures lower than +5 °C or higher than +35 °C. Do not use cracked or damaged Stabilcol bags.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory , in a controlled environment, so they may be greatly modified by the conditions of installation.

DATI TECNICI

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Appearance:	grey powder	
Composition:	< 0,3 mm	
Particle size:	+ 5°C / + 35°C	
Application temperature:	≈ 24 %	
Mixing water:	≈ 2,0 Kg/l	(EN 1015-6)
Density of fresh mortar:	≈ 1,8 Kg/l	(EN 1015-10)
pH of the mixture:	≈ 12	
Pot life (20 ° C):	≈ 30 minutes	
Setting time (start / end) with Vicat needle:	4 hours/6 hours	
Bleeding water:	Absent	
Compressive strength (1 day):	≥ 15 N/sqmm	(EN 196-1)
Compressive strength (7 days):	≥ 32 N/sqmm	(EN 196-1)
Compressive strength (28 days):	≥ 40 N/sqmm	(EN 196-1)
Flexural strength (1 day):	≥ 3,5 N/sqmm	(EN 196-1)
Flexural strength (7 days):	≥ 4,5 N/sqmm	(EN 196-1)
Flexural strength (28 days):	≥ 5,5 N/sqmm	(EN 196-1)
Expansion during the plastic phase:	≥ 0,3 %	(UNI 8996/89)
Resistance to sulphates (expansion):	< 0,03	
Resistance to fire:	Class A1	(EN 13501)
Contribution of smoking:	none	
Hazard classification:	none	(EC 99/45)

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