



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



MONOCEM RESET

SINGLE-PRODUCT SPECIAL
MORTAR FOR RESTORATION
AND LEVELLING



PRODUCT

Single-component, fibre-reinforced, quick-setting thixotropic mortar with controlled shrinkage for single-product restoration and levelling of concrete structures.

CHARACTERISTICS

It is easy to prepare and with excellent workability, it has excellent adhesion to the substrates, high mechanical strength and weather resistance. It is paintable.

APPLICATION FIELD

Non structural repairs and levelling of non planar substrates' irregularities, inside and outside, up to 30 mm.

SUBSTRATES

Concrete, cement-based screeds, cement plaster with good mechanical strength.

CONSUMPTION

As mortar: 1,8-1,9 kg/sqm per mm of thickness;
As levelling grout: 1,4-1,5 kg/sqm per mm of thickness.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

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

ITEM SPECIFICATIONS

The non structural repairs and the levelling of non planar substrates' irregularities, will have to be made with a high-strength mortar, such as Monocem Reset in class R2 by Edilcol Italia, to be mixed with water which have, after 28 days, a compressive strength $\geq 25,0$ N/sqmm.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION of the substrate and the mortar

- Prepare the surfaces to be treated freeing them from dust, efflorescence, oil and grease, degraded and loose concrete by sandblasting or spraying with water at high-pressure.
- Repair the eventual degraded areas using the mortar for structure recovery MX 300 Tixotropic (class R3) or MX 300 Tixotropic Plus (class R4) (see their technical data sheets).
- Wet the surface to be treated with water until saturation, then remove the excess of water and wait for the evaporation.
- Mix a bag of Monocem Reset with approximately 5,5 - 6,0 liters of water, either manually or with a mixer at a low number of turns, until obtaining a homogeneous and plastic mixture.
- Leave it rest for some minutes then briefly remix it before applying the product in one or more coats, with a metal trowel, up to a maximum thickness of 30 mm.

RECOMMENDATIONS

Do not add concrete, aggregates or other products to the mixture. Do not use on substrates with a surface film of water.

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. In warm season protect the product from a too rapid initial evaporation, which could be cause of cracks, moistening the treated surfaces Wash working tools after use and wait for the complete maturation for painting.

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:	special cements, quartziferous aggregates, resins, additives	
Particle size:	≤ 0,6 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 23%	
Density of fresh mortar:	≈ 1800 Kg/m ³	(EN 1015-6)
Density of hardened mortar:	≈ 1600 Kg/m ³	(EN 1015-10)
Pot life:	≈ 1 hour	
Minimum feasible thickness:	≥ 3,0 mm	
Maximum thickness achieved:	30 mm	
Surface drying time:	< 1 hour (+23°C e 50% U.R.)	
Waiting time for painting	≈ 3 days	
Chloride ions content:	≤ 0,05%	(EN 1015-17)
Compressive strength (28 days):	≥ 25,0 N/sqmm - Class R2	(EN 12190)
Flexural strength (28 days):	≥ 6 N/sqmm	(EN 1015-11)
Adhesion to the substrate (28 days):	≥ 1,5 N/sqmm	(EN 1542)
Capillary absorption:	≤ 0,5 Kg m ⁻² h ^{-0,5}	(EN 13057)
Resistance to fire:	Class A1	(EN 13501)
Contribution of smoking:	none	
Hazard classification:	none	(EC 99/45)