



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



ELASTOCEM PLUS

SINGLE-COMPONENT CEMENT
MEMBRANE



PRODUCT

Flexible, single-component cement membrane for waterproofing of balconies, terraces and bathrooms.

CHARACTERISTICS

It is easy to prepare and with excellent workability, it has great flexibility combined with high mechanical strength and adhesion to substrates. It is waterproof.

APPLICATION FIELD

Waterproofing bathrooms, showers, balconies, terraces, masonries, roofs, before laying ceramic tiles, roofing and cladding. Waterproofing of plasters and concrete. Waterproof and flexible smoothing of concrete structures and lightly cracked plasters.

SUBSTRATES

Concrete, plasters and cement-based mortars, ceramics.

CONSUMPTION

1,1 - 1,2 kg/sqm per mm of thickness.

PACKAGING

20 kg bags on pallets of 1200 kg.

STORAGE

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

ITEM SPECIFICATIONS

The waterproofing of concrete and surfaces to be covered with ceramic tiles, must be realized with a specific waterproofing mortar, such as Elastocem Plus by Edilcol Italia, to be mixed only with water and applied in two coats of 1 to 2 mm per coat which must have an adhesion to concrete after water immersion $\geq 0,5$ N/sqmm after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION of the substrate

- Check that the surfaces to be treated are clean, consistent, moist (R.H. $\approx$ 6%) and without fissures or subject to rising moisture.
- Remove the causes of the possible presence of water and repair the damaged areas using the structural recovery mortar MX 300 Tixotropic (in class R3) or MX 300 Tixotropic Plus (in class R4) (see their technical data sheets).
- Place suitable $\approx$ 10 cm long adhesive stripes on all wall and floor corners, technical points and dilatation joints.

APPLICATION

- Mix a bag of Elastocem Plus 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 or plastic mixture. Leave it rest for about 5-10 minutes then briefly remix it before applying with a metallic trowel.
- Lay the first layer of product with a thickness from 1 to 2 mm in which drown the fibreglass mesh HT 150, with edges properly topped; after 4 to 5 hours, once hardened, apply the second layer.

RECOMMENDATIONS

Do not add other products to Elastocem Plus and apply the second coat only after the first one is completely dry. Do not use for drinkable water tanks. Do not apply on bituminous sheaths. Do not apply outside on too sunny or windy days, on frozen surfaces, 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.

Protect Elastocem Plus from the rain within 24 hours after application or from an initial too rapid evaporation, which can cause fissures, dampening the treated surfaces. Wait for its complete drying to cover the surfaces with deformable adhesives (K50 Flex) or to apply elastic paints.

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

Rev. 03 - 02/2016

Appearance:	grey powder	
Composition:	special cements, quartziferous aggregates, synthetic fibers, resins, additives	
Particle size:	$\leq$ 0,6 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	$\approx$ 28%	
Pot life:	$\approx$ 50 minutes	
Thickness of each coat:	1 - 2 mm (max 2 coats)	
Maximum feasible thickness:	$\approx$ 4 mm	
Waiting time between 1st and 2nd layer:	4 - 5 hours	
Waiting time for laying tiles:	3 - 4 days	
Bond strength to concrete (28days):	$\geq$ 1,0 N/sqmm	(EN 1542)
Bond strength to concrete after immersion in water:	$\geq$ 0,8 N/sqmm	(EN 1542)
Capillary absorption and permeability to water:	$< 0,05 \text{ Kg m}^{-2} \text{ h}^{-0,5}$	(EN 1062-3)
Initial bonding:	$\geq$ 1,3 N/sqmm	(EN 14891-A.6.2)
Bonding after immersion in water:	$\geq$ 0,7 N/sqmm	(EN 14891-A.6.3)
Bonding after heat exposure:	$\geq$ 1,5 N/sqmm	(EN 14891-A.6.5)
Bonding after freeze/thaw cycles:	$\geq$ 0,7 N/sqmm	(EN 14891-A.6.6)
Bonding after immersion in wateralkaline:	$\geq$ 0,7 N/sqmm	(EN 14891-A.6.9)
Impermeability to water pressure:	no penetration	(EN 14891-A.7)
Crack bridging ability at +20°C:	$> 0,75 \text{ mm}$	(EN 14891-A.8.2)
Crack bridging ability at -5°C:	$> 0,75 \text{ mm}$	(EN 14891-A.8.3)
Reaction to fire:	Class A1	(EN 13501)
Contribution of smoking:	none	
Hazard classification:	none	(EC 99/45)

The adhesion values were determined according to EN 14891 with Elastocem Plus and cementitious adhesive type C2 according to EN 12004



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