



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



K 50 Polyflex

SPECIAL CEMENT ADHESIVE FOR
WATERPROOFING SYSTEMS



PRODUCT

Special single-component self-powder adhesive (**C2**) with mixed binder for the laying of all types of ceramic tiles and natural stones.

CHARACTERISTICS

Slip resistant (**T**), extended open time (**E**), it has perfect adherence and workability, high flexibility, deformability (**S1**) and it is easy to use. Non-toxic, frost-proof.

WHERE TO USE

Non-absorbent ceramic and vitified tiles, natural stones for interior and exterior environment on horizontal and vertical supports. Suitable for overlapping floors, installation of radiant flooring and waterproofing membranes.

SUBSTRATES

New rough plasters, cement-based screeds, cured concrete, old substrates tiles, cement-based waterproofing, acrylic or polyurethane membranes.

CONSUMPTION

2,0 - 5,0 kg/sqm.

PACKAGING

25 kg bags on pallets of 1500 kg

STORAGE

K50 Polyflex can be stored 12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

Floors and coatings must be laid with specific one-component powder adhesive with mixed binder and high performance to be mixed with water, such as K 50 Polyflex by Edilcol Italia ranked C2 S1 according to EN 12004, which has an initial bonding $\geq 1,5$ N/sqmm and an initial tensile adhesion on waterproofing coating $\geq 1,0$ N/sqmm.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Make sure that the substrates are cleaned, dry and consistent,.
- Mix a bag of Edilcol K50 Polyflex with approximately 7,0 liters of water, either manually or with a mixer at a low numbers of turns, until obtaining a homogeneous and plastic mixture.
- Leave it rest for ten minutes then briefly remix it before applying it with a serrated spatula.

APPLICATION

- It is not recommended to wet the tiles before installing them unless they present very dusty backs.
- Tiles should be installed with a firm pressure to ensure good contact with the adhesive.
- The open time of K50 Polyflex is 30 minutes which can be reduced due to the environmental conditions. So, before the installation of the tiles, it is therefore necessary, making sure that the adhesive is still fresh and it has not formed a skin on the surface.

AVVERTENZE

For the 25x25 cm larger sizes, make a double coating. For surfaces in gypsum, scagliola or similar, previously treat the surface with Primer RM 25 following the instructions contained in the product technical data sheet. Avoid outdoor application in very windy days and / or at temperatures below +5 ° C to +35 ° C, protecting coatings to water or rain for at least 24 hours and from frost and strong sun for at least 5- 6 days after laying.

Tools should be cleaned with water, while surfaces should be cleaned with a damp cloth; water can be moderately used only after a few hours after installation.

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, white powder
Composition:	cement, selected aggregates, resins, additives
Particle size:	≤ 0,8 mm
Application temperature:	+ 5°C / + 35°C
Mixing water:	≈ 28 %
Pot life:	≈ 8 hours
Adjustability time:	≈ 60 minutes
Adhesive thickness:	≤ 10 mm
Ready for grouting on floors:	≈ 24 hours
Ready for grouting on walls:	≈ 6 hours
Set to light foot traffic:	≈ 24 hours

Performance characteristics referring to EN 12004	Requirements	Performance results
Slip:	≤ 0,5 mm	≤ 0,5 mm (EN 1308)
Initial bonding:	≥ 1,0 N/sqmm	> 1,5 N/sqmm (EN 1348)
Bonding after heat exposure:	≥ 1,0 N/sqmm	> 1,0 N/sqmm (EN 1348)
Bonding after immersion in water:	≥ 1,0 N/sqmm	> 1,0 N/sqmm (EN 1348)
Bonding after freeze/thaw cycles:	≥ 1,0 N/sqmm	> 1,0 N/sqmm (EN 1348)
Open time: traction adherence after 30 minutes	≥ 0,5 N/sqmm	≥ 1,0 N/sqmm (EN 1346)
Deformability: transversal deformation	2,5 mm ≤ S1 < 5 mm	≥ 3,0 mm (EN 12002)

Performance characteristics referring to EN 14891	Requirements	Performance results
Traction adhesion on polyurethane coating:		
initial	≥ 0,5 N/sqmm	≥ 1,0 N/sqmm (EN 14891-A.6.2)
after heat exposure:	≥ 0,5 N/sqmm	≥ 1,0 N/sqmm (EN 14891-A.6.5)
after immersion in water:	≥ 0,5 N/sqmm	≥ 0,5 N/sqmm (EN 14891-A.6.3)

Resistance to fire:	Class A1	(EN 13501)
Contribution of smoking:	none	
Hazard:	none	(EC 99/45)



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