



la scelta giusta  
per grandi progetti.

SCHEDA TECNICA



## K 50 Maxi

SPECIAL FLEXIBLE THICKBED  
CEMENT ADHESIVE



### PRODUCT

Special flexible one-component powder adhesive (**C2**) for the thickbed laying of all types of ceramic tiles and natural stones.

### CHARACTERISTICS

K50 Maxi is slip-resistant (**T**), non-toxic and frost-proof. It has extended open time (**E**), perfect adherence and workability, good flexibility, and it is easy to use.

### 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 and underfloor heating installations.

### SUBSTRATES

New rough plasters, cement-based screeds, cured concrete, old substrates tiles and waterproofing membranes such as **Elastocem**.

### CONSUMPTION

2,0 - 5,0 kg/sqm

### PACKAGING

- 25 kg bags on pallets of 1500 kg.

### STORAGE

K50 Maxi can be stored 12 months in a dry places in its original packaging.

### ITEM SPECIFICATIONS

Floors and coatings must be laid with specific one-component adhesive, for large size materials, to be mixed with water, such as K50 Maxi by Edilcol Italia ranked C2 TE according to EN 12004, which has, after 28 days, an initial bonding  $\geq 1,5$  N/sqmm and which allows the realization of thicknesses up to 20 mm.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

## PREPARATION

- Make sure that the substrates are cleaned and consistent.
- Mix a bag of K50 Maxi by Edilcol 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 about 10 minutes then briefly remix it before applying it with a serrated spatula, up to 20 mm thick.

## 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 Maxi 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.

## RECOMMENDATIONS

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 hot or windy days and/or at temperatures lower than +5 ° C or higher than +35 ° C; moreover tiling installed with K 50 Maxi must not be washed or exposed to rain for at least 24 hours and must be protected from frost and strong sun for at least 5-6 days after installation.

Working tools should be cleaned with water, while surfaces should be cleaned with a damp cloth; water can be moderately used only after 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:                       | white or grey powder                           |            |
| Composition:                      | cement, selected aggregates, resins, additives |            |
| Particle size:                    | ≤ 1,6 mm                                       |            |
| Application temperature:          | + 5°C / + 35°C                                 |            |
| Mixing water:                     | ≈ 26 %                                         |            |
| Pot life:                         | ≈ 8 hours                                      |            |
| Adjustability time:               | ≈ 60 minutes                                   |            |
| Adhesive thickness:               | ≤ 20 mm                                        |            |
| Ready for grouting on floors:     | ≈ 24 hours                                     |            |
| Ready for grouting on walls:      | ≈ 6 hours                                      |            |
| Set to light foot traffic:        | ≈ 24 hours                                     |            |
| Slip:                             | ≈ 0,2 mm                                       | (EN 1308)  |
| Initial bonding (after 28 days):  | ≈ 1,5 N/sqmm                                   | (EN 1348)  |
| Bonding after heat exposure:      | ≥ 1,0 N/sqmm                                   | (EN 1348)  |
| Bonding after immersion in water: | ≥ 1,0 N/sqmm                                   | (EN 1348)  |
| Bonding after freeze/thaw cycles: | ≥ 1,0 N/sqmm                                   | (EN 1348)  |
| Open time: traction adherence     | ≈ 1,0 N/sqmm after 30 minutes                  | (EN 1346)  |
| Deformability:                    | ≥ 2,5 mm e < 5 mm (S1)                         | (EN 12002) |
| Resistance to fire:               | Class A1                                       | (EN 13501) |
| Contribution of smoking:          | none                                           |            |
| Hazard:                           | none                                           | (EC 99/45) |