

ENTEGRE

"Building Life"

KAROFIX® SUPER FLEX

Ready-Mixed High-
Performance Cement-Based
Ceramic and Granite Adhesive



TILE ADHESIVES AND
GROUTING MORTARS

Areas of Use

Provides superior performance in bonding ceramic tiles, granite, porcelain tiles, marble, travertine and similar covering materials in a wide variety of sizes on horizontal and vertical surfaces indoors and outdoors.

For an ideal application, the following covering surface areas are suitable for use:

Indoor walls and indoor/outdoor floors: Covering surface area $\leq 3600 \text{ cm}^2$

Outdoor walls: Covering surface area $\leq 1200 \text{ cm}^2$ (height 12 m)

Outdoor walls: Covering surface area $\leq 2000 \text{ cm}^2$ (height 8 m)

Outdoor walls: Covering surface area $\leq 3600 \text{ cm}^2$ (height 4 m)

Additional mechanical measures are required at heights above 4 m.

Properties

- Suitable for large-format ceramic tiles, granite, porcelain tiles, marble, travertine and similar covering materials.

- Provides high adhesion performance.
- Has reduced slip.

Application

Surface Preparation

The surface must be completely free of formwork oil, dust, paint and substances that reduce adhesion.

Before application, cracks and holes must be repaired with suitable Entegre Repair Mortars.

If the application surface is dry and hot, it must be dampened with water.

Before application on surfaces that are not resistant to moisture, such as gypsum board and gypsum plaster, PRIMEL 100® is applied; once drying is complete (approximately 24 hours), the bonding process is started.

Mortar Preparation and Application

First, water is poured into the mixing container, and then KAROFIX® SUPER FLEX is added (6,25-6,75 L of water/25 kg bag) and mixed with a low-speed hand mixer until the lumps disappear. The mixture is left to stand for 5 minutes and then

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mixed again to obtain a homogeneous consistency. The prepared mortar is applied to the surface at the required thickness using a trowel, combed, and the ceramic tile is bonded. For good adhesion, pressure must be applied to the surface with a rubber mallet. Double-sided bonding must be used for coverings larger than 3.000 cm². Grouting may begin at least 24 hours after the application of Karofix Super Flex.

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Consumption

Applicable to single-sided application.

Trowel Size	Consumption (kg/m ²)
3	2-3
4	3-4
6	4-5
8	5-6
10	6-7

Technical Values

Technical Values	Value
Open Time: Tensile Adhesion Strength, N/mm ² (after at least 30 minutes), (TS EN 12004-2)	≥ 0,5
Pot Life, Hours	≤ 2
Adhesion Strength; N/mm ² (TS EN 12004-2)	
Under Dry Conditions	≥ 1
Under Wet Conditions	≥ 1
Under Hot Conditions	≥ 1
Under Cold Conditions	≥ 1
Slip, mm (TS EN 12004-2)	≤ 0,5
Reaction to Fire (TS EN 13501-1)	A1

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Packaging and Storage

- Supplied on pallets in 25 kg polyethylene-reinforced kraft bags.
- The shelf life is 1 year from the date of production when stored unopened in its original packaging in a dry, frost-free environment, stacked no more than 8 bags high and without direct contact with the floor; after opening the bag, consumption within 1 week is recommended.
- Keep packages tightly closed when not in use.

Warnings

- No foreign material (lime, cement, gypsum, etc.) must be added to the prepared mortar.
- Mortar whose pot life has expired must not be mixed with water or dry mortar and reused.

- KAROFIX® SUPER FLEX White is recommended for light-coloured applications.
- Application at temperatures between +5 °C and +35 °C is recommended.
- For an ideal application, the covering material must be bonded to the mortar applied to the surface within 20 minutes.
- For heated underfloor heating systems, the system must be switched off 48 hours before application and it must be ensured that the system has cooled down.
- Do not apply on frozen surfaces.
- Do not apply under direct sunlight.
- Do not use outside the specified application areas and instructions for use.
- Do not inhale directly. In case of contact with eyes, rinse with plenty of water and seek medical advice if necessary.
- For further information, request the product safety data sheet.
- Please consult us regarding all other application conditions and for your technical questions.

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Certificate of Conformity



TS EN 12004-1 / April 2017 / C2TE

C2: Improved cementitious adhesive

T: Reduced slip

E: Extended open time

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