

ENTEGRE

"Building Life"

KAROFIX® MULTI FLEX

Two-Component High-
Performance Highly Flexible
Adhesive Mortar



TILE ADHESIVES AND
GROUTING MORTARS

Areas of Use

Provides superior performance in bonding large-format ceramic tiles, granite, porcelain tiles, marble, travertine and similar covering materials on horizontal and vertical surfaces indoors and outdoors.

Thanks to its highly flexible structure, it can be used in environments requiring high strength, on high façades, over cement-based plaster, screed and concrete floors, on floors exposed to heavy pedestrian traffic (hotels, hospitals, workplaces, schools, sports complexes, etc.), on underfloor heating systems and in areas at risk of thermal shock such as cold storage facilities, on floors exposed to vibration, and in ceramic-on-ceramic applications.

Additional mechanical measures are required at heights above 4 metres.

Advantages

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

- Provides high adhesion performance thanks to its highly deformable structure (S2).
- Provides secure adhesion on façades.
- Suitable for use in areas subject to intense temperature variations.
- Resistant to water and frost.
- Provides excellent performance on floors exposed to heavy pedestrian traffic.
- Can be used safely in cold storage facilities.
- Has a long working time.
- 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

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gypsum plaster, PRİMEL 100® is applied; once drying is complete, the bonding process is started.

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 large-format ceramic tiles. Grouting may begin at least 24 hours after the application of Karofix Multi Flex.

Mortar Preparation and Application

First, 'KAROFIX® MULTI FLEX LIQUID COMPONENT' is poured into the mixing container, and then 'KAROFIX® MULTI FLEX POWDER' is added (7 kg liquid component/25 kg bag) and mixed with a low-speed hand mixer until the lumps disappear. After the mixed mortar is left to mature for 5 minutes, it is mixed again to obtain a homogeneous consistency. The prepared

Consumption

Applicable to single-sided application.

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

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

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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
Transverse Deformation, mm (TS EN 12004-2)	≥ 5
Slip, mm (TS EN 12004-2)	≤ 0,5
Reaction to Fire (TS EN 13501-1)	A2

- Opened packages must be tightly closed, stored under suitable conditions and consumed within 1 week.

Packaging and Storage

- Supplied as a set consisting of a 25 kg polyethylene-reinforced kraft bag and a 7 kg plastic container.
- Both components must be stored unopened in their original packaging in a dry, frost-free environment without direct contact with the floor.
- Under suitable storage conditions, the shelf life of the powder and liquid components is 1 year from the date of production.
- The liquid component freezes at temperatures below 0 °C. It must be protected from freezing.

Warnings

- No foreign material (lime, cement, gypsum, water, etc.) other than the two components must be added.
- Mortar whose pot life has expired must not be mixed with water or dry mortar and reused.
- 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 30 minutes. This period applies at 23 °C. On hot surfaces or under hot ambient conditions, this period will be significantly

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shorter; this must be taken into account and appropriate measures must be taken.

- Do not apply on frozen surfaces.
- Do not apply under direct sunlight.
- Do not use product heated under sunlight directly; allow it to cool in the shade before use.
- 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.

Certificate of Conformity



TS EN 12004-1 / April 2017 / C2TES2

C2: Improved cementitious adhesive

T: Reduced slip

E: Extended open time

S2: Highly deformable

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