

KAROFIX® MULTI FLEX

Two Component Highly Elastic Tile Adhesive

APPLICATION FIELD

Interior and exterior spaces, horizontal and vertical surfaces, ceramic, granite and porcelain tiles, marble, travertine and so on bonding of the coating material provides superior performance.

Very flexible construction for high strength in environments that require high-traffic, cement-based plaster, screed and concrete slabs on exposed to heavy traffic floors (hotels, hospitals, workplaces, schools, sports complexes, etc..) Bottom-heated floors and cold storage as well as thermal shock and in places where the risk of exposure to vibration in the floor provides a secure adhesion.

CHARACTERISTICS

Dual component.

For big size ceramic, granite, porcelain, marble and travertine, applications,

It has very flexible structure (S2) and high adhesion performance.

It provides a secure adhesion for high-traffic.

It is suitable for use in areas where intensive temperature differences.

Water and frost resistant.

Provides excellent performance in dense traffic roads.

It can be used safely in cold storage.

It has a longer working time with reduced slip.

APPLICATION

SURFACE PREPARING

The surface must be purified from oil, dust, paint and adherence reducing materials.

All the holes must be filled and repairs must be made with appropriate Entegre product before plastering.

Application surface must be dampened with water.

Before the applications, it must be PRIMEL 100 for adherence increase to used on gypsum plaster and gypsum board. After the drying (apx. 24 hours) it can start to application.

MORTAR PREPARING AND APPLICATION

Before mixing, 'KAROFIX® MULTI FLEX LIQUID' is set, then 'KAROFIX® MULTI FLEX POWDER' is added (7 kg liquid /25 kg bag) and stirred until all lumps are dissolved.

Should be waited for 5 minutes and mixed again to obtain a fully homogeneous product.

Prepared mortar is applied on surface with a suitable notch then the tiles are laid. It is applied to a thickness of 8 mm. Plastic hammer must be used to the surface for a good performance.

If the tile is larger than 60 x 60 cm², the application must be done for both sides.

CONSUMPTION

This values for one side applications.

Notch Size (mm)	Consumption (kg/m²)
3	2-3
4	3-4
6	4-5
8	5-6

TECHNICAL DATA

Open Time (EN 1346): After 30 minutes (EN 1346)	≥ 0,5
Application Time, hours	<2
Tensile Adhesion Strength / Initial, mm² (EN 1348)	≥ 1
Tensile Adhesion Strength / After immersion in water, N/mm² (EN 1348)	≥ 1
Tensile Adhesion Strength / After heat exposure, N/mm² (EN 1348)	≥ 1
Tensile Adhesion Strength / After freeze/thaw cycles, N/mm² (EN 1348)	≥ 1
Transverse Deformation, mm (EN 12002)	≥ 5
Slip, mm (EN 1308)	≤0,5
Reaction to fire	A2

PACKAGING AND STORING

- 25 kg kraft paper and 7 kg plastic cans are offered in sets.
- If desired, it must be shipped as tracked.

- Both components are dry and frost-free environment must be stored in unopened original packaging.
- Proper storage conditions, the shelf life of powder and liquid components for 1 year from date of manufacture.
- Liquid components are frozen at temperatures below 0°C.
- Opened containers tightly closed and stored in appropriate storage conditions and should be consumed within 1 week.

WARNINGS

- No other materials (lime, cement, gypsum etc..) should be added to the prepared mortar.
- Don't use mortar is out of date.
- Joints can be filled 24 hours later.
- Use for coating with water absorption $\leq 0,5$ and $> 0,5$ (ceramic, granite and porcelain ceramic, travertine etc.).
- The following coating areas are suitable for an optimum applications:
Outdoor walls: Area $\leq 3600 \text{ cm}^2$ (15m height)
Outdoor walls: Area $\leq 1600 \text{ cm}^2$ (30m height)
- Suggested that the application is done between +5°C, +35°C.
- For the ideal application, the coating material must be join on mortar in 30 minutes.
- On areas that higher than 15 m, it must be taken to mechanical prevent actions.
- Do not apply on frozen surfaces.
- It should not be applied under sun.
- Don't go beyond the application field and rules.
- As it is cement based product, do not smell it directly. Wash your eyes in case of contact. Call your doctor if it is necessary.
- For detailed information please request security data sheet.
- Contact us for the other application fields and for your technical questions.

CERTIFICATE OF CONFORMITY



It has been producing in accordance with TS EN 12004 / C2TES2 Standard.

C2: Improved adhesive

T: Adhesive with reduced slip

E: Extended open time

S2: Highly deformable

Bayındırlık Poz No: 04.0131

Above mentioned data has been obtained in laboratory environment. Please get in touch with our Technical Department for more detail.

Entegre reserves right to amend the abovementioned information and data.

Entegre will not be held responsible from the failures due to improper use and applications.