

KAROFIX® POWER FLEX ULTRA

Cement-Based S2 Class Flexible Adhesive Mortar with High Adhesion Strength

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.

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

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

It can use 8 mm.

Suitable for ceramic applications on ceramic,

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

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

Water and frost resistant.

Provides excellent performance in dense traffic roads.

With polymer additives

It can be used safely in cold storage.

APPLICATION

SURFACE PREPARING

The surface must be purified from form 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 PRİMEL 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

KAROFIX® POWER FLEX ULTRA is mixed with an electrical drill (6,75 lt. water/25 kg bag) until the homogeneous mortar.

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 3600 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
Slip, mm (EN 1308)	≤0,5
Transverse Deformation, mm (EN 12002)	≥5
Reaction to fire	A2

PACKAGING AND STORING

- 25 kg kraft paper or polypropylene bags, in the sling or shrink covered pallets upon request.
- 1 year from the date of manufacture if stored in unopened original package; under dry, frost free conditions and arranged maximum 8 bags one above the other.
- Suggested to be consumed in 1 week after the package is opened.

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 $\leq 3600 \text{ cm}^2$ (15 m height)
- Outdoor walls: Area $\leq 1600 \text{ cm}^2$ (30 m height)
- On areas that higher than 15 m, it must be taken to mechanical prevent actions.
- Recommended to KAROFIX® POWER FLEX ULTRA Beyaz for light color applications
- Suggested that the application is done between +5°C, +35°C.
- For the ideal application, the coating material must be join on mortar in 35 minutes.
- 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



TS EN 12004-1/April 2017 / C2TES2

C2: Improved adhesive

T: Adhesive with reduced slip

E: Extended open time

S2: Deformable

Above stated data obtained in lab conditions. Entegre will not be liable for any defect in product occurring by reason of events or conditions not within its control such as misuse, mishandling, improper storage or improper installation. Entegre reserves the right to revise the information contained herein without prior notice.

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