

KAROFIX® POWER FLEX ULTRA

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

FIELD OF APPLICATION

Provides superior performance in fixing of coating materials such as ceramic, granite, porcelain ceramic, marble, travertine etc. at all sizes on horizontal and vertical surfaces for interior and exterior areas.

It may be applied on dry and wet areas (baths, swimming pools, water tanks, terrace, etc.), cement-based plasters and concrete surfaces, floorings with floor heating system, floors exposed to high level of traffic (hotels, hospitals, offices, schools, sports halls, etc.), areas with thermal shock risk, cold storage rooms, floors exposed to vibration, and applications of ceramics over ceramics.

ADVANTAGES

It is ideal for coating materials such as large-sized ceramics, granite and porcelain ceramics, marble, travertine.

It provides high performance in ceramic-on-ceramic bonding.

Thanks to its flexible structure (S2), it provides very high adhesion performance.

It is water and frost resistant.

It provides excellent performance on floors subject to heavy traffic.

It can be used safely in cold storage.

APPLICATION

SURFACE PREPARATION

The surface shall always be free of form oil, dust, paint and materials that reduce adherence.

Repair of the cracks and holes shall be made using appropriate Entegre Repair Mortars before application.

Application surface shall be dampened with water, if required. PRIMEL 100® shall be applied before application on surfaces that are not resistant to moisture such as plasterboard, cardboard, gypsum plasters etc. and the fixing operation is started when drying is complete (after approx. 24 hours)

Yukarıdaki veriler laboratuvar ortamında elde edilmiştir. Ürünün, belirtilen amaçların dışında kullanılması, belirttiğimiz depolama, saklama ve uygulama şartlarının sağlanmaması ya da hatalı uygulama yapılmasından kaynaklı problem ve oluşan zararlardan Entegre sorumlu değildir.

Entegre yukarıdaki bilgileri herhangi bir bildirim yapmadan güncelleme ve değiştirme hakkına sahiptir.

ENTEGRE HARÇ SANAYİ VE TİC. A.Ş.

Hüseyinli Köyü Beykoz Cad. No:222/4 34799 Çekmeköy/İSTANBUL T: 0216 434 50 96 F: 0216 434 50 31 www.entegreharc.com.tr

TECHNICAL DATA SHEET

PREPARATION AND APPLICATION OF THE MORTAR

Water shall be put to the mixing vessel first, then KAROFIX® POWER FLEX ULTRA shall be added (6.75 l water/25 kg bag) and it shall be stirred until the lumps are removed.

Stop for 5 minutes, and stir again to achieve a homogeneous mixture. The mortar prepared shall be applied up to a thickness of 8 mm, it shall be combed and ceramic shall be fixed.

For a good adhesion, application shall be performed by applying force on the surface with a rubber hammer. Double sided fixing shall be used for coatings greater than 3,600 cm².

CONSUMPTION

Applies for application on a single side.

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

TECHNICAL PROPERTIES

Open Time: Tensile Adhesion Strength, N/mm ² (min 30 minutes later), (EN 1346) (EN 12004-2)	≥ 0,5
Application Time, Hours	< 2
Adhesion Strength; N/mm ² (EN 12004-2)	
Wet Conditions	≥ 1
Hot Conditions	≥ 1
Dry Conditions	≥ 1
Under Cold Conditions	≥ 1
Transverse deformation, mm (EN 12002)	≥ 5
Slip, mm (EN 12004-2)	≤ 0,5
Reaction To Fire (EN 13501-1)	A2-s1,d0

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PACKAGING AND STORAGE

Available in 25 kg polyethylene-reinforced paper bags, in pallets.

Storage Period: It is recommended that the product shall be consumed in 1 year from the date of production if stored in its original package without opening the package under dry, frost free conditions and is stacked as maximum 8 bags, and in 1 week after opening the package. Packages shall be tightly closed when it is not used.

RECOMMENDATION

- No other materials (lime, cement, gypsum, etc.) shall be added to the prepared mortar.
- Mortar shall not be used again by mixing with water or dry mortar if its application time has expired.
- You shall wait at least 24 hours for joint application.
- May be used for coatings with water absorption of ≤ 0.5 and > 0.5 (ceramic, granite and porcelain ceramic, marble, etc.).
- Coating area for applications at a height of 15 m ≤ 3600 cm², Coating area for applications at a height of 30 m ≤ 1600 cm²
- We recommend you to take additional mechanical precautions for heights over 15 m.
- KAROFIX® POWER FLEX ULTRA White is recommended for light coloured applications.
- We recommend that the application shall be performed between +5°C and +35°C.
- For an ideal application, coating material shall be fixed to the mortar applied on the surface within 35 minutes.
- For floor heating systems that are currently hot, system shall be turned off 48 hours before the application and it shall be ensured that the system is cooled.
- It shall not be applied on frozen surfaces.
- Do not apply under direct sunlight.
- Do not go beyond the application field and the rules.
- Do not inhale it directly. Wash your eyes with plenty of water in case of contact with eyes, seek medical attention if required.
- For detailed information, please request the security data sheet.
- Contact us for your technical questions and for your questions about all other application conditions.

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