



## **TECHNICAL DATA SHEET**

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### **KAROFIX® SUPER FLEX**

#### **Cement Based Ready Mix Elastic Tile Adhesive With High Performance**

##### **APPLICATION FIELD**

Used for laying ceramic, granite porcelain ceramic, marble applications; ceramic applications on ceramic, granite, travertine, decorative brick, floors that deformation and temperature differences easily occur, on vertical and horizontal surfaces, for damp bulky floors, places that has a risk for thermal shock and floors that vibration can occur.

It can be used for interior and exterior faces of the buildings.

##### **CHARACTERISTICS**

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

Suitable for ceramic applications on ceramic,

High elastic characteristic and high adhesive performance.

Resistance to thermal shock, water and freeze.

It can use under heavy traffic on ground.

With polymer additives.

Suitable for using 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.

PRIMEL 100® is applied on weak damp proof surfaces such as gypsum plaster and gypsum board before application.

Before the applications, it must be PRIMEL 600® 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® SUPER FLEX is mixed with an electrical drill (5,75-6,25 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 cm<sup>2</sup>, the application must be done for both sides.

## **CONSUMPTION**

This values for one side applications.

<b>Notch Size (mm)</b>	<b>Consumption (kg/m<sup>2</sup>)</b>
<b>3</b>	2-3
<b>4</b>	3-4
<b>6</b>	4-5
<b>8</b>	5-6

## **TECHNICAL DATA**

<b>Open Time (EN 1346): After 30 minutes (EN 1346)</b>	≥ 0,5
<b>Application Time, hours</b>	< 2
<b>Tensile Adhesion Strength / Initial, N/mm<sup>2</sup> (EN 1348)</b>	≥ 1
<b>Tensile Adhesion Strength / After immersion in water, N/mm<sup>2</sup> (EN 1348)</b>	≥ 1
<b>Tensile Adhesion Strength / After heat exposure, N/mm<sup>2</sup> (EN 1348)</b>	≥ 1
<b>Tensile Adhesion Strength / After freeze/thaw cycles, N/mm<sup>2</sup> (EN 1348)</b>	≥ 1
<b>Slip mm (EN 1308)</b>	≤ 0,5
<b>Reaction to Fire</b>	A1


<b>ENTEGRE HARÇ SAN. VE TİC. A.Ş.</b> Hüseyinli Mahallesi, Beykoz Cad. No:222/4 Çekmeköy/İSTANBUL 14
TS EN 12004:2007+A1:2013-04 Cement Based Ready Mixed Tile Adhesive KAROFIX SUPER FLEX

## **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:  
Indoor and outdoor grounds: Area  $< 3600 \text{ cm}^2$   
Outdoor walls: Area  $\leq 1200 \text{ cm}^2$  (12m height)  
Outdoor walls: Area  $\leq 2000 \text{ cm}^2$  (8m height)  
Outdoor walls: Area  $\leq 3600 \text{ cm}^2$  (4m height)
- Recommended to KAROFIX® SUPER FLEX White for light color applications.
- Suggested that the application is done between  $+5^\circ\text{C}$ ,  $+35^\circ\text{C}$ .
- For the ideal application, the coating material must be join on mortar in 35 minutes.
- On areas that higher than 8m, 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**



TS EN 12004 / C2TE

**C2: Improved adhesive**

**T: Adhesive with reduced slip**

**E: Adhesive with extended open time**

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Above mentioned data has been obtained in laboratory environment. Entegre will not be held responsible from the failures due to improper use, improper storage, improper application conditions and faulty applications. Entegre reserves right to amend the above mentioned information and data.

**ENTEGRE HARÇ SANAYİ VE TİC. A.Ş.**

Hüseyinli Mahallesi Beykoz Cad. No: 222 / 4 34799 Çekmeköy / İSTANBUL T: +90 216 434 50 96 F: +90 0216 434 50 31 [www.entegreharc.com.tr](http://www.entegreharc.com.tr)