



## **TECHNICAL DATA SHEET**

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### **KAROFIX 100®** **Cement Based Tile Adhesive**

#### **APPLICATION FIELD**

Used for adhering ceramic and coating materials on horizontal and vertical surfaces indoors and on ground applications outdoors.

Applied on cement based plaster on walls and on cement based grout and concrete slab in dry and moderate wet areas.

#### **CHARACTERISTICS**

Easy to prepare.

Thanks to enough usage and scabbing time, it provides comfortably working possibility.

It is very easy to apply on surfaces

With polymer additives.

With long workability time

#### **APPLICATION**

##### **SURFACE PREPARING**

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

All the holes must be filled and repairs must be made with appropriate Entegre Repair Mortars before application.

Application surface must be dampened with water if necessary.

PRİMEL 100® is applied on weak damp proof surfaces such as gypsum plaster and gypsum board before application. After drying, adherence process starts.

##### **MORTAR PREPARING AND APPLICATION**

At first, water is put in the mixing bowl and KAROFIX 100® is added into it (5,75-6,25 lt. water/ 25 kg bag), then it is mixed with a low speed electrical mixer until the clusters are removed. You should be waited for 5 minutes and mixed again to obtain a fully homogeneous product. Prepared mortar is applied to a thickness of 10 mm, notches are made and then ceramic is adhered. Plastic hammer must be used to the surface for a good performance.

## **CONSUMPTION**

This values are valid 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
<b>10</b>	6-7

## **TECHNICAL DATA**

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

## **PACKAGING AND STORING**

- 25 kg kraft papers reinforced with polyethylene, 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.
- After opening the packages, they must be closed tightly.

## **WARNINGS**

- No other materials (lime, cement, gypsum etc..) must be added into the prepared mortar.
- Don't use mortar which is out of date by mixing water or dry mortar.
- Joints can be filled after ceramic adhesive material dries.
- Use for ceramic coating whose water absorption is >0,5.
- The following coating areas are suitable for an optimum application:  
Indoor grounds: Area ≤1600 cm<sup>2</sup>

Outdoor grounds: Area  $\leq 1200 \text{ cm}^2$

Indoor walls: Area  $\leq 1100 \text{ cm}^2$

- Recommended KAROFIX 100® Beyaz for light colour applications.
- Suggested that the application is done between +5°C, +35°C.
- For an ideal application, the coating material must be joined on mortar in 25 minutes.
- Do not apply on frozen surfaces.
- Do not apply under sun.
- Do not go beyond the application field and rules.
- Do not inhale. Wash your eyes in case of contact. Call your doctor if 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 / C1TE**

**C1: Normal adhesive**

**T: Adhesive with reduced slip**

**E: Adhesive with extended open time**

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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.

**ENTEGRE HARÇ SANAYİ VE TİC. A.Ş.**

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