**KAROFIX 100®**

**CEMENT-BASED THICK BED CERAMIC TILE ADHESIVE**

**FIELD OF APPLICATION**

Provides high performance in fixing of ceramics on horizontal and vertical surfaces for interior areas and on floor applications for exterior areas.

Applied on cement-based plasters on dry and medium wet areas, walls; and on cement-based screed and concrete flooring on floor areas.

**CHARACTERISTICS**

Prepared easily.

Provides convenient application thanks to its adequate application and incrustation time.

Applied on the surface easily.

It has polymer additives.

It has a long application time.

**APPLICATION**

**SURFACE PREPARATION**

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

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).

**PREPARATION AND APPLICATION OF THE MORTAR**

Water shall be put to the mixing container first, then KAROFIX 100® shall be added (5.75-6.25 l water/25 kg bag) and it shall be mixed until the lumps are removed.

Stop for 5 minutes, and mix again to achieve a homogeneous mixture.

The mortar prepared shall be applied up to a thickness of 10 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.

**CONSUMPTION**

Applies for application on a single side.

|  |  |
| --- | --- |
| Comb Size | Consumption (kg/m²) |
| 3 | 2-3 |
| 4 | 3-4 |
| 6 | 4-5 |
| 8 | 5-6 |
| 10 | 6-7 |

**TECHNICAL DATA**

|  |  |
| --- | --- |
| Open Time: Tensile Adhesion Strength, N/mm² (min 30 minutes later), (EN 1346) | ≥ 0.5 |
| Application Time, Hours | < 2 |
| Adhesion Strength / Under Dry Conditions, N/mm² (EN 1348) | ≥ 0.5 |
| Adhesion Strength / Under Wet Conditions, N/mm² (EN 1348) | ≥ 0.5 |
| Adhesion Strength / Under Hot Conditions, N/mm² (EN 1348) | ≥ 0.5 |
| Adhesion Strength / Under Cold Conditions, N/mm² (EN 1348) | ≥ 0.5 |
| Slip, mm (EN 1308) | ≤ 0.5 |
| Reaction To Fire | A1 |

**PACKAGING AND STORAGE**

Available in 25 kg polyethylene-reinforced paper bags, delivered in pallets or as sling-bags upon request.

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.

**RECOMMENDATIONS**

* 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.
* Wait until the ceramic adhesive is dried for joint application.
* For coatings with water absorption > 0.5, coating areas specified below are suitable for an ideal application:
* On interior floor: Area of ceramics ≤1600 cm²
* On exterior floor ≤1200 cm²
* On interior walls: Area of ceramics ≤1100 cm²
* KAROFIX 100® 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.
* 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 safety data sheet.
* Contact us for your technical questions and for your questions about all other application conditions.

**CERTIFICATE OF CONFORMITY**

 TS EN 12004-1 / April 2017 / C1TE

C1: Normal Hardening Adhesive with Cement

T: Reduced Slip properties

E: Extended period for keeping uncovered

Ministry of Public Works Pos. No: 04.013/1

*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 SAN. ve TİC. A.Ş.***

*HÜSEYİNLİ VILLAGE, BEYKOZ STREET. No:222/4 34799 Çekmeköy/İSTANBUL T: 0216 434 50 96 F: 0216 434 50 31* [*www.entegreharc.com.tr*](http://www.entegreharc.com.tr)