GRANITE FLEX ADHESIVE C2TE

# PRODUCT DESCRIPTION

It is a high performance, polymer reinforced cement based ceramic and granite adhesive mortar with reduced slip and extended open time.

# AREAS OF UTILIZATION

* It is used on surfaces such as concrete, screed, plaster with low water absorption to bond the coating on horizontal and vertical floors indoors and outdoors.
* It is used for bonding ceramic on ceramic.
* Ceramic area on indoor floor ≤ 3600 cm2

Ceramic area on outdoor floor ≤ 2500 cm2

Ceramic area on interior wall ≤ 2000 cm2

Ceramic area on exterior wall ≤ 1600 cm 2

(for one-sided bonding on the wall, max. 6 m. height)

* Double-sided bonding technique is used for larger sized and heavy coatings.

# ADVANTAGES OF THE PRODUCT

* It can be used easily indoors and outdoors on horizontal and vertical surfaces
* It provides safe use in applications.
* It provides ease of use as the slip property is reduced.
* It is ready to use, and it can be adjusted to the desired consistency by simply mixing with water.
* It prevents loss of labor and time with its ease of application.
* High polymer added.
* It can be used safely in ceramic-on-ceramic bonding.
* It can be used in places with heavy pedestrian and freight traffic
* It is suitable for use in places with high temperature differences (floor heating, etc.) and is resistant to water and frost.

# PREPARATION OF THE SURFACE

* The surface should be cleared of residues such as oil, dirt, paint that will prevent adhesion.
* The surface should be clean, dry, smooth and in good condition.
* Cracked and hollow areas on the surface should be repaired with **YurtKim Repair Mortar** least 24 hours in advance.
* In applications above 30°C, the surface should be moistened.
* In very hot and windy weather, the surface should be saturated with water.
* On floors with high water absorption, **YurtKim Priming Coating EK220** should be used before the application and the bonding process should be continued by waiting for it to dry.
* For bonding ceramic on ceramic, **YurtKim Priming Coating K400** should be used before application and the bonding process should be continued by waiting for it to dry.
* During the application, the ambient temperature should be between +5 °C and +35 °C.

**APPLICATION**

* 25 kg **YurtKim Granit Flex Adhesive** is poured onto 6.5-7.5 liters of clean water and mixed with a low-speed mixer until no lumps remain. The prepared mortar is rested for 5 minutes to mature and is used again after mixing for 1-2 minutes.
* The mortar is applied to the entire surface with circular movements with a notched trowel selected according to the size of the ceramic and the structure of the surface.
* For surfaces and ceramics with high water absorption, ceramic adhesive should be applied to the back of the coating material to achieve double-sided bonding.
* During the application, it should be ensured that **YurtKim Granite Flex Adhesive** does not form crusting on the surface; if such crusting has occurred, that part should be combed again, and if there is excessive drying in the mortar, it should be scraped from the surface and reapplied.
* The coating material is placed on the surface by adjusting the joint gaps.
* By tapping lightly with a rubber-tipped mallet, the coating material is placed on the surface.
* Joint filling process should be initiated at least 24 hours after bonding.

**TECHNICAL SPECIFICATIONS**

* Class of reaction to fire: A1
* Initial adhesive strength: ≥ 1 N/mm2
* Tensile adhesive strength after thermal aging: ≥ 1 N/mm2
* Tensile adhesive strength after immersion in water: ≥ 1 N/mm2
* Adhesive Strength After Freeze-Thaw Cycle: ≥ 1 N/mm2
* Adhesion strength after open time: (30 min.) ≥ 0.5 N/mm2
* Slip: ≤ 0.5 mm
* Maturation time: 5min
* Pot Life: 4 hours
* Open Time: 25 min.
* Time required for joint application: minimum 24 hours
* Commissioning time: minimum 24 hours.
* Average Consumption: 4- 5 kg/m2 according to the surface condition
* Temperature Resistance between -30°C and +80°C
* Application thickness 3-10 mm (for single and double sided application)
* The above data was obtained based on the results of laboratory tests, and values may vary due to differences in the construction site environment.

**WARNINGS AND SUGGESTIONS**

* + It is suitable for use within 25 minutes at the most after it is applied to the surface. It is not suitable for use in periods exceeding 25 minutes.
	+ Do not apply on frozen surfaces in extremely hot, windy, rainy weather.
	+ Direct contact with water should be avoided for at least 24 hours after the application.
	+ As the dimensions of the ceramic increase, double-sided application is recommended.
	+ After application, hands and application tools should be washed with plenty of water.
	+ Since it is cement based, do not breathe its dust, do not let any contact with skin and eyes.
	+ The indicated consumption amount is general information. May vary depending on application conditions and surface properties.
	+ Do not go beyond the specified application surface and instructions for use.
	+ Please consult us for all other application conditions and technical problems.
	+ **YurtKim Granite Flex Adhesive White** is recommended for light colored coatings.

YurtKim is not responsible for any issues or damages arising from the use of the product for purposes other than those specified, failure to comply with the specified storage, maintenance and application conditions, or incorrect application.

**COLOR**

Gray and White

**SHELF LIFE**

Shelf life is 12 months when stored in its unopened original package in a way that is not exposed to moisture, dry and direct sunlight, provided that it is placed in a maximum of 8 rows on top of each other.

**PACKAGING**

25 kg± 2% Kraft Bag (64 bags on a pallet, 1600 kg)

 **STANDARD NO**

 TS EN 12004-1/Nisan 2017

 C: Cement based

 2: High Performance

 T: Reduced Slip

 E: Extended Open Time

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**Taşoluk Köyü Merkez/Muş 22**

**TS EN 12004-1: 2017**

**Cement-Based Ceramic Adhesive Mortar with Reduced Slip, Extended Open Time, Improved with Additional Features**

**Initial tensile adhesive strength**

**C2TE**

**Tensile Adhesive Strength after immersion in water**

**Tensile Adhesive Strength after thermal aging**

**: ≥ 1 N/mm2**

**: ≥ 1 N/mm2**

**: ≥ 1 N/mm2**

**Tensile adhesive strength after freeze-thaw cycle : ≥ 1 N/mm2**

**Open time: Initial tensile adhesive strength Slip**

**Class of Reaction to Fire**

**: After 30 minutes ≥ 0.5 N/mm2**

**≤ 0,5 mm**

**: A1**