

# weberkol flex granit premium

**Cement based flexible tile adhesive with reduced slip, extended open time and improved with additional qualities**

**Technical Data Sheet:**  
Issued on 02.05.2023  
Revision No: 002

## ■ Description

Cement based flexible tile adhesive with reduced slip, extended open time and improved with additional qualities.

## ■ Reference standards

- TS EN 12004/C2TES1 class.
- CE
- Public Works Pos No: : 10.300.2204

## ■ Advantages

- Safe adhesion for large size coatings.
- Extended open time.
- Safe to use on floor heating systems.

## Range of application

- Used for fixing ceramic, granite ceramic, glazed porcelain at interior and exterior walls and floors;
- Used for fixing tile on existing tile and granite ceramic
- Suitable for use on painted and gypsum surfaces.
- Suitable for use on floor heating systems.
- Suitable for use on private swimming pools.

## ■ Application substrates

### Interior floors;

- Cement based screed,
- Concrete floor,
- Floor heating systems,

### Exterior floors;

- Cement based screed,
- Concrete floor,

### Interior walls;

- Cement based render
- Gypsum block, gypsum board and gypsum plaster (**weberprim art** applied)
- Concrete
- Existing tile (**weberprim TG 5** or **weberprim ADR** applied),

### Exterior walls;

- Cement based render
- Concrete
- Cement based render and screed

## ■ Preparation of substrates

- The surface should be dry, smooth and durable. Plasters thinner than 3 mm on the substrate should be scraped and cleaned thoroughly.
- Porous substrates should be wetted. Wait until the water layer disappears as the floor will remain damp.
- Important deformations or holes on the substrate should be repaired with **weberep** structural repair mortars minimum 24 hours before the application of **weberkol flex granit premium**
- Local repairs thinner than 7 mm can be done by use of **weberkol flex granit premium**

## ■ Application

- For white colour average 6,75 lt., for grey colour average 7,75 of water and preferably 25 kg kraft bag **weberkol flex granit premium** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.
- After aging **weberkol flex granit premium** for 5 minutes, it should be mixed for further 1-2 minutes before application.
- The mortar should be applied on the substrate and its thickness should be adjusted with steel notched trowel. Tooth size of trowel should be adjusted according to dimensions of tile and smoothness of application substrate.
- Mortar should be applied on both application substrate and backside of tiles below-mentioned sizes (back buttering).

For granite ceramic, glazed porcelain, natural composed stone, etc:

### •Interior floor applications:

Tiles bigger than 500 cm<sup>2</sup>

### •Interior wall applications:

Tiles bigger than 120 cm<sup>2</sup>

For ceramic, tile etc:

### •Interior wall and floor applications:

Tiles bigger than 1100 cm<sup>2</sup>

### •All exterior wall and floor applications.

- For good adhesion force should be applied by means of rubber hammer and air should be ejected
- In applications, weight of the coating is as important as the size.

## ■ Consumption

4-6 kg./m<sup>2</sup>

## ■ Application tools

Hand mixer, trowel, rubber hammer, steel notched trowel

## ■ Conditions of application

- Ambient temperature is between +5 °C and +35 °C.
- It should not be used on substrates which are frozen or melting or have the risk of frost within 24 hours.
- Avoid application under direct sunlight, strong wind or hot surfaces.
- Avoid film formation by **weberkol flex granit premium** during application, if film is present, that area should be notched again.

*The stated times apply for 20 °C substrate and ambient temperature and increase at lower temperatures and decrease at high temperatures. Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş. is not responsible for the application errors arising from use of product beyond its intended purpose or failure to comply with the foregoing application conditions and advice on the product.*

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## ■ Attention points

- This product is not used on metal surface (**weberep 800** or **weberep easy** should be used)
- Not applicable on public and heated swimming pools (**weberkol flex pool**, **weberkol flex extra** **weberkol flex extra konfor** should be used.)
- Attention should be paid to the proportion of water that is written on the bag. Adding too much or less water to the product reduces the performance of the product
- White **weberkol flex granit premium** should be used for light ceramic glazed porcelain and similar coatings

## ■ Technical Information

<b>Product</b>	<b>weberkol flex granit premium</b>
<b>Product Type</b>	Powder
<b>Colour</b>	Grey and white
<b>Packaging</b>	25 kg kraft bag (64 bags in pallet, 1600 kg)
<b>Application features</b>	
<b>Pot life</b>	Max 4 hours
<b>Open time</b>	Max. 30 minutes
<b>Adjustability</b>	Max. 20 minutes
<b>Time required for grouting</b>	24 hours (on floor and wall).
<b>Time required for foot traffic</b>	24 hours
<b>Application thickness</b>	3 to 10 mm (one or both sides)

Performance	
<b>Performance fire response class</b>	A1
<b>High tensile adhesion strength</b>	≥ 1 N/mm <sup>2</sup>
<b>High tensile adhesion strength after water immersion</b>	≥ 1 N/mm <sup>2</sup>
<b>High tensile adhesion strength after heat aging</b>	≥ 1 N/mm <sup>2</sup>
<b>High tensile adhesion strength after freeze-thaw cycles</b>	≥ 1 N/mm <sup>2</sup>
<b>Extended open time after not less than 30 min)</b>	≥ 1 N/mm <sup>2</sup>
<b>Transverse deformation</b>	2,5 mm ≤SI <5 mm
<b>Slip</b>	≤ 0,5 mm
<b>Heat resistance</b>	between -15°C and +70 °C.

These values were obtained as a result of laboratory tests and they are valid for 28 days performance of finished applications. Values may vary due to differences on job-sites.

## ■ Storage

<b>Packaging</b>	• 25 kg kraft bag (64 bags in pallet, 1600 kg).
<b>Shelf life</b>	• 1 year as of the production date in dry and moisture- free environment provided that packages will not be opened. • Package should be kept tightly closed when not in use. Package should be protected against frost.

## ■ Safety Precautions

- Use the appropriate safety equipment (dust mask, gloves).
- Protect your eyes / face.
- Avoid contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of water and consult a specialist.
- Read the Material Safety Data Sheet for more detailed

## Legal Warning

Since there are different conditions and requirements that apply in any case, Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. cannot be liable for other than the information provided in this product datasheet.

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