

weberkol flex granit

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

Technical Data Sheet:
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■ Description

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

■ Reference standards

- TS EN 12004/C2TES1 class
- Public Works Pos No: 10.300.2204
- Please see current "weber solution guide" for the classification introduced by TS EN 12004 norm about tile adhesives.

■ 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 and glazed porcelain at interior and exterior walls and floors; and private swimming pools. Suitable for use on floor heating systems.

■ Application substrates

Interior floors;

- Cement based screed,
- Concrete floor,
- Existing tile (**weberprim TG 5** or **weberprim ADR** applied),
- 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
- Private swimming pools;
- Cement based render and screed
- Concrete

■ 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 **weberrep** structural repair mortars minimum 24 hours before the application of **weberkol flex granit**
- Local repairs thinner than 7 mm can be done by use of **weberkol flex granit**

■ 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** during application, if film is present, that area should be notched again.

■ Application

- For white colour average 6,75-7,25 lt., for grey colour average 6,75-7,5 of water and preferably 25 kg kraft bag **weberkol flex granit** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.
- After aging **weberkol flex granit** 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 cm²
 - **Interior wall applications:**
 - Tiles bigger than 120 cm²
 - For ceramic, tile etc:
 - **Interior wall and floor applications:**
 - Tiles bigger than 1100 cm²
 - **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.

■ Application tools

Hand mixer, trowel, rubber hammer, steel notched trowel

■ Consumption

weberkol flex granit	4-6 kg./m ²
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■ Attention points

- This product is not used on metal surface (**weber EP 800** or **weber EP easy** should be used)
- Never add foreign materials.
- Attention should be paid to the proportion of water that is written on the bag. Adding too much or too little water to the product reduces the performance of the product

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.

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş.

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- On exterior walls,max. coating size is 1100 cm², height is 3 m.
- Not applicaple on floors with heavy traffic.
(**weberkol flex extra** or **weberkol flex extra konfor** should be used).
- Not applicable on prefabricated floors.
- White weberkol flex granit should be used for light ceramic glazed porcelain and similar coatings

■ Technical Information

Product	weberkol flex granit
Product Type	Powder
Colour	White and Grey
Packaging	25 kg kraft bag (64 bags in pallet, 1600 kg)
Application features	
Pot life	Max 4 hours
Open time	Max. 30 minutes
Adjustability	Max. 20 minutes
Time required for grouting	24 hours (wall and floor)
Time required for foot traffic	24 hours
Application thickness	3 to 10 mm (one or both sides)
Performance	
Fire rponse class	A1
High initial tensile adhesion strength	≥ 1 N/mm ²
High tensile adhesion strength after water immersion	≥ 1 N/mm ²
High tensile adhesion strenght after heat aging	≥ 1 N/mm ²
Extended open time:tensile adhesion strenght(min.30 minete after	≥ 1 N/mm ²
Transverse deformation	2,5 mm ≤SI <5 mm
Slip	≤ 0,5 mm

■ Storage

Packaging	• 25 kg kraft bag (64 bags in pallet, 1600 kg).
Shelf life	• 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.

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.

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