

weberkol flex porselen

Polymer added, high performance, cement based tile adhesive with reduced slip and extended open time for granite, porcelain ceramics and glazed porcelain

Technical Data Sheet:
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■ Description

High performance, cement based tile adhesive with reduced slip and extended open time for granite, porcelain ceramics and glazed porcelain.

■ Reference standards

- TS EN 12004/C2TE class
- CE
- Public Works Pos No: 10.300.2203
- Please see current "weber solution guide" for the classification introduced by TS EN 12004 norm about tile adhesives.

■ Advantages

- Safe application with large size coatings.
- Improved performance on tile application on existing tile.
- Application on plaster substrates.

■ Range of application

- Used for fixing ceramic, granite ceramic and glazed porcelain, porcelain ceramics at interior walls and floors and exterior floors.

■ Application substrates

- **Interior walls:**
 - Cement based render,
 - Gypsum board, gypsum plaster (**weberprim art** applied),
 - Concrete,
 - Existing tile (**weberprim TG 5** applied).
- **Interior floors:**
 - Cement based screed,
 - Concrete floor,
 - Existing tile (**weberprim TG 5** applied).
- **Exterior floors,**
 - Cement based screed,
 - Concrete.
- Please consult us for all other application substrates.

■ 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.
- Very porous substrates should be wetted and waited 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 porselen**.
- Local repairs thinner than 7 mm can be done by use of **weberkol flex porselen**.

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

■ Application

- Average 7,5-8 lt water for grey colour 7,75-8 lt water for white colour **weberkol flex porselen** should be mixed with low- speed mixer preferably or trowel until no more lump will remain.
- After aging **weberkol flex porselen** 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 behind the ceramics with consumption table mentioned size. (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 1100 cm²
 - All exterior floor applications.
 - In applications, the weight of the coating is as important as the size.

■ Application tools

Hand mixer, trowel, rubber hammer, steel notched trowel.

■ Consumption

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

- This product is not applied on metal surfaces, prefabricated and underfloor heating floors, exterior facades.
- 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.
- It is recommended to use while **weberkol flex porselen** for laying coatings such as light-colored granite ceramics, glazed porcelain.
- All tools used after application should be washed with water before drying.

*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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■ Technical Information

Product	weberkol flex porselen
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 floors)
Time required for foot traffic	24 hours(for floors exposed to heavy traffic)
Application thickness	3 to 10 mm (one or both sides)
Performance	
Fire response class	A1
Initial tensile adhesion strength	$\geq 1 \text{ N/mm}^2$
Tensile adhesion strength after water immersion	$\geq 1 \text{ N/mm}^2$
Tensile adhesion strenght after heat aging	$\geq 1 \text{ N/mm}^2$
Tensile adhesion strength after water immersion	$\geq 1 \text{ N/mm}^2$
Extended open time:tensile adhesion strenght(min.30 minete after	$\geq 0,5 \text{ N / mm}^2$
Slip	$\leq 0,5 \text{ mm}$
Heat resistance	between -15°C and +70 °C.

■ Storage

Packaging	<ul style="list-style-type: none"> 25 kg kraft bag (64 bags in pallet, 1600 kg).
Shelf life	<ul style="list-style-type: none"> 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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