

weberkol FERMAFIX

Cement based tile adhesive with reduced slip and extended open time

Technical Data Sheet:
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■ Description

Cement based tile adhesive with reduced slip and extended open time.

■ Reference standards

- TS EN 12004/CITE class
- CE
- Public Works Pos No: 10.300.2202
- Please see current "weber solution guide" for the classification introduced by TS EN 12004 norm about tile adhesives.

■ Advantages

- Possibility of convenient application
- Safe use in ceramic applications
- Extended working time

■ Range of application

- Used for coating materials such as fixing ceramic, tile, glass mosaic and similar coating materials on interior walls and floors, exterior floors.

■ Application substrates

•Interior walls;

•Cement based render,
(**weberprim art** applied).

•Interior floors;

•Cement based screed,
•Concrete coating.

•Exterior floors,

•Cement based screed,
•Concrete coating.

•Please see current "weber solution guide" "product selection tables" for substrate types and max. coating sizes to be applied with **weberkol FERMAFIX**
•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.
- 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 FERMAFIX**
- Local repairs thinner than 7 mm can be done by use of **weberkol FERMAFIX**.

■ 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 on the surface by **weberkol FERMAFIX** 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.
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■ Application

- For grey colour average 7-7,5 lt water and for white colour 6,25-7,5 lt water preferably 25 kg kraft bag **weberkol FERMAFIX** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.
- **weberkol FERMAFIX** should be mixed for further 1-2 minutes after aging for 5 minutes before the 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 with consumption table mentioned size (back buttering).
- **Interior, floor applications:**
 - Tiles bigger than 1100 cm²
- **Interior wall applications:**
 - Tiles bigger than 900 cm²
- **On all exterior floor applications.**
 - For good adhesion force should be applied by means of rubber hammer and air should be ejected
 - In applications, the weight of the coating is as important as the size

■ Application tools

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

■ Consumption

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

- This product is not used on metal surface floors subject to heavy traffic, prefabricated and underfloor heated floors, old painted surfaces, swimming pools, existing ceramic coating, gross concrete, plasterboards walls, surfaces exposed to climatic changes and subjected to difficult conditions
- 'C2' class ceramic tile should be used in applications on plaster panel.
- 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

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1/2 **weberkol FERMAFIX**

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■ Technical information

Product	weberkol FERMAFIX
Product Type	Powder
Colour	White and Grey
Colour	25 kg kraft bag (64 bags in pallet, 1600 kg)
Application features	
Pot life	Max. 4 hours
Open time	Max. 25 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 response class	A1
Initial tensile adhesion strength	$\geq 0,5\text{N/mm}^2$
Tensile adhesion strength after water immersion	$\geq 0,5\text{N/mm}^2$
Tensile adhesion strength after heat aging	$\geq 0,5\text{N/mm}^2$
Tensile adhesion strength after freeze-thaw cycles	$\geq 0,5\text{N/mm}^2$
Extended Open time tensile adhesion strength(after not less than 30 min.)	$\geq 0,5\text{N/mm}^2$
Slip	$\leq 0,5$ mm
Heat resistance	between -15°C and $+70^\circ\text{C}$.

■ 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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