

### ■ Description

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

### ■ Advantages

- Safe and durable adhesion with polymer additive
- Increased application time

### ■ Range of application

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

### ■ Application substrates

- Interior walls;
  - Cement based render, (**weber.prim saten AS** or **weber.prim saten** 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 **weber.kol FERMAFIX**
- Please consult us for all other application substrates.

### ■ Limits of application

- Not applicable on metal surfaces (**weber EP 800** should be used).
- Not applicable on floors with heavy traffic (e.g.: industrial areas) (**weber.kol flex konsantre** or **weber.kol flex konfor** should be used).
- Not applicable of prefabricated or heating floors. (**weber.kol flex konfor konsantre** or **weber.kol flex konfor** should be used).
- Not applicable on wood floors, old-painted surfaces, swimming pools and existing ceramic coatings.
- Not applicable on concrete wall.
- On gypsum blocks and boards "C2" class tile adhesives should be used (see current "weber solution guide")

### ■ Application properties

- Pot life: max. 4 hours
- Open time: max. 25 minutes
- Adjustability: max. 20 minutes
- Time required for grouting: 24 hours (on floor and wall)
- Time required for foot traffic: 24 hours
- Application thickness: 3 to 10 mm (one or both sides applications)

### ■ Performance

- 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  $\geq 0,5 \text{ N/mm}^2$  (after not less than 30 min)
- Slip:  $\leq 0,5 \text{ mm}$
- Heat resistance: between  $-30 \text{ }^\circ\text{C}$  and  $+60 \text{ }^\circ\text{C}$ .

*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 in job-sites.*

### ■ Reference standards

- TS EN 12004/CITE class.
- CE
- Public Works Pos No: 04.380/002

### ■ Attention points

- Never add foreign materials.
- All tools should be cleaned with water before drying after the application.

### ■ 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 **weber.rep MA 200** minimum 24 hours before the application of **weber.kol FERMAFIX**
- Local repairs thinner than 7 mm can be done by use of **weber.kol FERMAFIX**.

### ■ Conditions of application

- Ambient temperature is between  $+5 \text{ }^\circ\text{C}$  and  $+35 \text{ }^\circ\text{C}$ .
- 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 **weber.kol FERMAFIX** during application, if film is present, that area should be notched again.

### ■ Application

- Average 7-8 lt water and 25 kg **weber.kol FERMAFIX** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.
- **weber.kol 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 below-mentioned sizes (back buttering).

- Interior, floor applications: Tiles bigger than 1100 cm<sup>2</sup>
- Interior wall applications: Tiles bigger than 900 cm<sup>2</sup>
- On all exterior floor applications.
- For good adhesion force should be applied by means of rubber hammer and air should be ejected. not in

### ■ Consumption

Tile dimensions	Comb	Consumption
120 cm <sup>2</sup>	6x6x6 mm	One-sided adhesion 4 kg./m <sup>2</sup> Double -sided adhesion 5-6 kg./m <sup>2</sup>
120 cm <sup>2</sup> to 500 cm <sup>2</sup>	8x8x8 mm	One-sided adhesion 5 kg./m <sup>2</sup> Double -sided adhesion 6,5 kg./m <sup>2</sup>
500 cm <sup>2</sup> to 2000 cm <sup>2</sup>	10x10x10 mm	One-sided adhesion 5,5 kg./m <sup>2</sup> Double -sided adhesion 7-8 kg./m <sup>2</sup>

### ■ Packaging

Net 25 bag (64 bags in pallet, 1600 kg).

### ■ Pallet size

107 x 107 cm.

### ■ Color

White, grey.

### ■ Application tools

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

### ■ Shelf life

1 year as of the production date in dry and moisture-free environment.  
Package should be kept tightly closed when not in use.

FOR INFO

- > 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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