

# weber.kol XL flex

## Flexible tile adhesive

Technical Data Sheet

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Revision No: 008

### ■ Description

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

### ■ Range of application

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

### ■ Application substrates

- Interior walls;
  - Cement based render,
  - Gypsum block, gypsum board and gypsum plaster (**weber.prim saten** or **weber.prim AS** applied),
  - Concrete,
  - Existing tile (**weber.prim TG 5** applied).
- Exterior walls;
  - Cement based render,
  - Concrete floor.
- Interior floors;
  - Cement based screed,
  - Concrete floor,
  - Existing tile (**weber.prim TG 5** applied).
- Exterior floors;
  - Cement based screed,
  - Concrete floor.
- Private swimming pools;
  - Cement based plaster and screed,
  - Concrete,
- Please consult us for all other application substrates.

### ■ Limits of application

- Not applicable on metal surfaces (**weber EP 800** should be used).
- On exterior walls max. coating size is 1100 cm<sup>2</sup> max. height is 3 m.
- Not applicable on floors with heavy traffic (e.g.: industrial areas) (**weber.kol flex konfor konsantre** or **weber.kol flex konfor** should be used).

### ■ Application properties

- Pot life: max. 4 hours
- Open time: max. 30 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

- High initial tensile adhesion strength:  $\geq 1 \text{ N/mm}^2$
- High tensile adhesion strength after water immersion:  $\geq 1 \text{ N/mm}^2$
- High tensile adhesion strength after heat aging :  $\geq 1 \text{ N/mm}^2$

- High tensile adhesion strength after freeze-thaw cycles:  $\geq 1 \text{ N/mm}^2$
- Transverse deformation: 2,5 mm  $\leq \Delta l < 5$  mm
- Extended open time tensile adhesion strength  $\geq 0,5 \text{ N/mm}^2$  after not less than 30 min.
- Slip:  $\leq 0,5$  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.

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### ■ Reference standards

- TS EN 12004/C2TES1 class
- CE
- Puplic works Pos No: 04.380/008

### ■ Attention points

- White **weber.kol XL flex** should be used for light colored ceramic, glazed porcelain and similar coatings.
- 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 and you should 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 XL flex**.
- Local repairs thinner than 7 mm can be done by use of **weber.kol XL flex**.

### ■ 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 by **weber.kol XL flex** during application. If film is present, that area should be notched again.

### ■ Application

- For grey color average 7,75-8,25 lt, for white color average 6,75-7,25 of and 25 kg. **weber.kol XL flex** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.

- After aging **weber.kol XL flex** 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 with below-mentioned sizes (back buttering).
  - Interior floor applications:  
for granite ceramic, glazed porcelain, natural composed stone, etc., 500 cm<sup>2</sup> for ceramic, tile etc., ceramics larger than 1100 cm<sup>2</sup>
  - Interior wall applications:  
for granite ceramic, glazed porcelain, natural composed stone, etc. 120 cm<sup>2</sup> for ceramic, tile etc, ceramics larger than 1100 cm<sup>2</sup>
  - In all exterior floor and wall applications.
- For good adhesion force should be applied by means of rubber hammer and air should be ejected.

### ■ Consumption

Tile dimensions	Notched trowel	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> and 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> and 3600 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 kg bag (64 bags in pallet, 1600 kg).

### ■ Pallet size

107 x 107 cm.

### ■ Color

White and grey.

### ■ Application tools

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

### ■ 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.

> 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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