

weber.kol XL flex plus

High performance, very flexible tile adhesive

Technical Data Sheet

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■ Description

Polymer added very flexible tile adhesive mortar with reduced slip, extended open time and improved with additional qualities.

■ Advantages

- High performance with superlastic property.
- Safe and durable adhesion on tile applications on existing tile, swimming pools, heavy traffic floors, heating floors, primed plaster substrates.

■ Range of application

- Used for fixing ceramic, granite ceramic, marble, granite and similar coating materials at interior and exterior walls and floors.

■ Application substrates

- Interior walls;
 - Cement based render,
 - Concrete,
 - Gypsum board and gypsum plaster (**weber.prim saten** applied),
 - Existing tile
- Interior and exterior floors;
 - Cement based screed,
 - Concrete floor,
 - Existing tile
- On exterior walls;
 - Cement based render,
 - Concrete,
 - Existing tile and glass mosaic (**weber.prim TG 5** applied).
- Swimming pools; cement-based plaster or screeds, 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 ceramic up to 2000 cm² is not applied more than 6 m, 2000 cm² and 3600 cm² applied to more than 3 m.
- Not applicable on thermal insulation system (**weber.kol flex konfor konsantre** 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 (wall and floor).
- Time required for foot traffic: 24 hours (for floors subject to heavy traffic, 1 week).
- 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: $S_2 \geq 5 \text{ mm}$
- 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 $+80 \text{ }^\circ\text{C}$.

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 on job-sites.

■ Reference standards

- TS EN 12004/C2 TES2 class
- Public Works Pos No: 04.013/1
04.013/4

Please see current "weber solution guide" for the classification introduced by TS EN 12004 norm about tile adhesives.

■ Attention points

- For joint application **weber.joint flex** should be used.
- White **weber.kol XL flex plus** should be used for light colored ceramic, 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.
- Very 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 XL flex plus**.
- Local repairs thinner than 7 mm can be done by use of **weber.kol XL flex plus**.

■ 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 plus** 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 lt of water and 25 kg. **weber.kol XL flex plus** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.

- After aging **weber.kol XL flex plus** 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 below-mentioned sizes (back buttering).
- For granite ceramic, natural composed stone, etc.;
 - Interior floor applications: 500 cm²
 - Interior floor applications: 120 cm²
- For ceramic, tile etc.;
 - Interior wall and floor applications: 1600 cm²
- In all exterior, wall and floor 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 ²	6x6x6 mm.	One-sided adhesion 4 kg./m ² Double -sided adhesion 5-6 kg./m ²
120 cm ² and 500 cm ²	8x8x8 mm.	One-sided adhesion 5 kg./m ² Double -sided adhesion 6,5 kg./m ²
500 cm ² and 3600 cm ²	10x10x10 mm.	one-sided adhesion 5,5 kg./m ² double-sided adhesion 7-8 kg./m ²

■ 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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