

weber.kol superflex

High performance, very flexible tile adhesive

■ Description

High performance, very flexible cement based tile adhesive with light fillers, reduced slip, extended open time and improved with additional qualities and produced with nano technology.

■ Advantages

- Safe application on all coatings and substrates with improved performance and extended open time.
- Very high performance with super flexible structure.
- Application convenience especially on exterior walls and under severe climate conditions.
- 40 % advantage in m² consumption.

■ 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 plaster, gypsum block and gypsum board (**weber.prim saten** applied).
 - Fiber concrete board,
 - Existing tile.
 - Interior and exterior floors;
 - Cement based screed,
 - Concrete floor,
 - Existing tile,
 - Exterior walls;
 - Cement based screed,
 - Concrete,
 - Existing tile and glass mosaic. (**weber.prim TG 5** applied.)
 - Swimming pools; cement-based render and screed, concrete,
 - Old surfaces (see "problem/solution product selection" sections).
- Please see current "weber solution guide" for floor types and max. coating sizes to be applied with **weber.kol superflex** on these surfaces.
- Please consult us for all other application substrates.

■ Performance

- High initial tensile adhesion strength: ≥ 1 N/mm²
- High tensile adhesion strength after water immersion: ≥ 1 N/mm²
- High tensile adhesion strength after heat aging: ≥ 1 N/mm²
- High tensile adhesion strength after freeze-thaw cycles: ≥ 1 N/mm²
- Deformable adhesive: transverse deformation: $S_2 \geq 5$ mm.
- Extended open time: tensile adhesion strength: $\geq 0,5$ N/mm² after not less than 30 min.
- Slip: $\leq 0,5$ mm.
- Heat resistance: between -30 °C and +80 °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/C2TES2 class
- CE

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

■ Application properties

- Pot life: max. 4 hours,
- Open time: max. 50 minutes,
- Adjustability: max. 30 minutes,
- Time required for joint application: 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).

■ Conditions of application

- Ambient temperature is between +5 °C and +30 °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.

■ 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 superflex**.
- Local repairs thinner than 7 mm can be done by use of **weber.kol superflex**.

■ Application

- Average 6,75 - 7 lt water and 15 kg **weber.kol superflex** should be mixed with low-speed mixer preferably or trowel until no more lump will remain.
- After aging **weber.kol superflex** 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).
 - Interior floor applications:
for granite ceramic, natural composed stone etc.
500 cm² (25x20 cm), interior wall applications 120 cm² (10x10 cm)
 - Interior floor applications for ceramic, tile, etc. 1100 cm² (33x33 cm), interior wall applications ceramics bigger than 500 cm² (25x20 cm).
- All exterior, floor applications.
- For good adhesion force should be applied by means of rubber hammer and air should be ejected.

■ Attention points

- For joint application **weber.joint flex** should be used.
- White **weber.kol flex konfor** should be used for light ceramic, marble and granite coatings.
- Never add foreign materials.
- All tools should be cleaned with water before drying after the application.

■ Limits of application

- Not applicable on metal surfaces (**weber EP 800** should be used).
- On exterior walls, ceramic porcelain up to 2000 cm² (45x45 cm) is not applied more than 30 m, 2000 cm² (45x45 cm) and 3600 cm² (60x60 cm) is not applied to more than 8 m. Natural stone, marble, etc. up to 2000 cm² (45x45 cm) is not applied more than 15 m, 2000 cm² (45x45 cm) and 3600 cm² (60x60 cm) is not applied more than 6 m.

■ Consumption

Tile dimensions	Notched trowel	Consumption
120 cm ² (10x10 cm)	6x6x6 mm.	one-sided adhesion 2,1 kg./m ² double-sided adhesion 2,6-3,15 kg./m ²
120 cm ² (10x10 cm) and 500 cm ² (25x20 cm)	8x8x8 mm.	one-sided adhesion 2,75 kg./m ² double-sided adhesion 3,6 kg./m ²
500 cm ² (25x20 cm) and 3600 cm ² (60x60 cm)	10x10x10 mm.	one-sided adhesion 3,5 kg./m ² double-sided adhesion 4,45-5,1 kg./m ²

■ Packaging

Net 15 kg bag (60 bags in pallet, 900 kg).

■ Color

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. Package should be protected against frost.

➤ 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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