

weber.joint SiL

Silicone added colored grout mortar

Technical Data Sheet

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■ Description

Cement based, silicone added, high performance colored grout mortar.

■ Advantages

- With silicone added structure;
 - High performance to contamination,
 - Easy to clean,
 - Water-repellent,
- Maximum resistance to abrasion,
- Long life 25 color options.

■ Range of application

- Used for grout applications up to 6 mm width of coating materials such as ceramic, tile, natural stone, granite ceramic, marble and similar coating materials.

■ Application substrates

- Interior walls and floors,
- Exterior floors,
- Please consult us for all other application substrates.

■ Limits of application

- Not applicable on areas subject to high pressure (>100 bar) and chemicals and requiring hygiene (See current "weber solution guide").
- Not applicable for swimming pools (See current "weber solution guide").
- Not applicable on floors convenient for deformation such as heating floor (**weber.joint flex** should be used).

■ Application properties

- Pot life: max. 1 hour,
- Setting time: 12 hours,
- Time required for opening floor to traffic: 24-48 hours.

■ Performance

- Abrasion resistance: $\leq 1000 \text{ mm}^3$
 - Flexural strength: $\geq 2,5 \text{ N/mm}^2$
 - Compressive strength: $\geq 15 \text{ N/mm}^2$
 - Shrinkage: $\leq 3 \text{ mm/m}$
 - Water absorption (30 min. later): $\leq 2 \text{ g}$.
 - Water absorption (240 min. later): $\leq 5 \text{ g}$.
- These values were obtained as a result of laboratory tests and they are valid for 28 days performance of finished finished applications. Values may vary due to differences in ambient of jobsites.*

■ Reference standarts

- TS EN 13888/CG 2 W A class
 - Public Works Pos No: 04.380/054
- Please see current "weber solution guide" for the classification introduced by TS EN 13888 norm about grouts.*

■ Attention points

- The application area should be damped with water on the following day to achieve high performance.

- The materials such as natural stone and granite ceramic which are sensitive to stain should be protected with **weber seramik koruyucu** for not to be affected by **weber.joint SiL**.
- **weber derz koruyucu** should be used for protection of the color of joint filler used in floors and substrates such as kitchen counter and counters cleaned frequently and being of long life. During this application, **weber derz koruyucu** should not be overflowed from joints and if there is overflowing, it should be certainly cleaned.
- All tools should be cleaned with water before drying after the application.
- Gloves should be worn for colored grout applications in order to prevent coloring of hands.
- Avoid application of cleaning materials such as bleach, muriatic acid, lime remover, etc. on the grouts to prevent damage.
- Since not cleaning the thin joint layer that remain on the substrate after the application will affect color homogeneity negatively, final wiping should be performed diligently.
- Since it may cause yellowing on white and light grouts, avoid holding ceramics in water before the application.

■ Preparation of substrate

- Dust, chip, construction and cement residuals, etc. between the gaps of grouts should be cleaned by scrapping with a thin stick and brush to ensure a homogenous color and drying.
- Joint gaps should be moistened especially on walls before the application.

■ Conditions of application

- Ambient temperature: 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.

■ Application

- Average 7,5 lt water and 20 kg **weber.joint SiL** should be mixed with low-speed mixer preferably or trowel as there will be no lumps.
- **weber.joint SiL** should be mixed for further 1-2 minutes after aging for 10 minutes before the application.
- The mortar should be filled in the joints with hard rubber spatula or trowel.
- It should be applied firstly parallel and then in crosswise direction to fill the joints thoroughly.
- The excessive mortar on the substrate should be scraped with soft-tip trowel or damp sponge- tip trowel and it should be wiped with a damp sponge after waiting for 15-30 minutes depending on ambient temperature and thin joint layer to be on the substrate should be cleaned thoroughly.

- The process of leveling and cleaning the substrate should be done via a dry cloth when **weber.joint SIL** is still wet.

■ Consumption

Tile dimensions	Grout width		
	3 mm.	4 mm.	6 mm.
10x10 cm.	700 gr./m ²	950 gr./m ²	1500 gr./m ²
20x20 cm.	350 gr./m ²	500 gr./m ²	700 gr./m ²
30x30 cm.	250 gr./m ²	300 gr./m ²	500 gr./m ²

■ Packaging

- Net 20 kg bag (80 bags in pallet, 1600 kg).
- Net 10 kg bag (2 bags in the box, 64 boxes in the pallet, 1280 kg).
- Net 5 kg bag (5 bags in the box, 40 boxes in the pallet, 1000 kg).
- Net 2 kg bag (12 bags in the box, 40 boxes in the pallet, 960 kg).

■ Pallet size

- 107 x 107 cm.
- 80 x 120 cm.

■ Color

- 25 colors including white. (For 20, 10 and 5 kg)
- 9 colors including white. (For 2 kg)

■ Application tools

- Hand mixer, trowel, rubber-tip trowel, sponge-tip trowel, rubber spatula, sponge, brush.

■ 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.

