

weberjoint HR flex

Cement based, resistant to chemicals, fungus, mold and algae, flexible, high performance, joint grout mortar

Technical Data Sheet:
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■ Description

Cement based, resistant to chemicals, fungus, mold and algae, flexible, high performance, joint grout mortar.

■ Reference standards

- TS EN 13888/CG2WA class
- G marking
- Public Works Pos No: 10.300.2232
- The contact with potable water was certified by Ege University Faculty of Engineering , Chemical Engineering in accordance with standard BS6920.

■ Advantages

- High resistance to chemicals.
- Suitable for contact with drinking water
- Ability to be applied on old joints.
- Suitable for underfloor heated floors exposed to heavy traffic.

■ Range of application

- Swimming pools,
- Laboratories, production and storing centers,
- Industrial Areas; olive plants, wine and beer factories, wet-dry fruit processing plants, biscuit plants, pickle-brine factories, milk products factories,
- Supermarkets, shopping centers, metros, delicatessens, garages, power rooms, public toilets, water filtration centers, etc.
- Please consult us for all other application substrates.

■ Application substrates

- On interior and exterior wall and floor; used for grout applications up to 2-3 mm width. And coating materials such as ceramic, porcelain, glass mosaic, granite ceramic and similar coating materials on places where special resistance to chemicals is required, and for renewing worn grouts. It used to 11 mm of materials joint up to width in application.

■ Preparation of substrates

- Dust, chip, construction and cement residuals, etc. to be 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 is between +5 °C and +35 °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 (heated) hot surfaces.
- The ceramic adhesive must be completely dried before application.

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.

■ Application

- Average 5,2 lt water and 20 kg **weberjoint HR flex** should be mixed with low-speed mixer preferably or trowel as there will be no lumps.
- **weberjoint HR flex** 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 **weberjoint HR flex** is still wet.

■ Application tools

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

■ Consumption

Ceramic size	Ceramic dept	Joint width			
		3 mm (gr./m ²)	6 mm (gr./m ²)	8 mm (gr./m ²)	12 mm (gr./m ²)
20x20	8 mm	375	750	1000	1500
25x40	8 mm	250	500	670	100
33x33	8 mm	225	450	600	900
60x60	10 mm	165	330	440	660
60x120	10 mm	110	220	290	435

■ Attention points

- Please consult us for the environments where the chemicals other than stated in the table of resistance to chemicals.
- Not applicable to areas where temperature is higher than 40 °C. **weber EP easy** should be used.

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■ Technical Information

Product	weberjoint HR flex
Product Type	Powder
Color	9 color option (20 kg);white, grey (5 kg)
Packaging	20 kg kraft bags and 5 kg polythene bag
Application features	
Pot life	Max. 60 minutes
Time required for opening floor to traffic	6-8 hours
Joint width	1- 12 mm
Performance	
Abrasion resistance	≤ 200 mm ³
Flexural strength	≥ 4,5 N/mm ²
Compressive strength	≥ 25 N/mm ²
Shrinkage	≤ 1,5 mm/m
Water absorption (30 min. later)	≤ 0,5 g.
Water absorption (240 min. later)	≤ 1 g.

These durations are valid for 20 °C surface and ambient temperature and the duration extends at lower temperature and decreases at higher temperature. Please consult us for grout depths higher than 10 mm. 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.

■ Storage

Packaging	• 20 kg kraft bags and 5 kg polythene bag.
Shelf life	• In damp and dry environments 1 year from the date of manufacture. (5 the shef life of kg packages is 2 year) • When not in use packaging tightly should be closed.

■ Safety Precautions

- Use the appropriate safety equipment (dust mask, gloves).
- Protect your eyes / face.
- Avoid contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of water and consult a specialist.
- Read the Material Safety Data Sheet for more detailed

Legal Warning

Since there are different conditions and requirements that apply in any case, Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. cannot be liable for other than the information provided in this product datasheet.

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■ Table of resistance to chemicals

Chemical name	Concentration	Resistance
Resistance to Acids		
Lactic acid	2,5 %	+
Asetic acid	2,5 %	+
Tartaric acid	10 %	+
Sitric acid	10 %	+
Hydrochloric acid (salt spirit)	37 %	+
Resistance to Alkalis		
Sodium hypochlorite	5%	(+)
Amoniac		+
Sodium chloride (salty water)	saturated	+
Sugared water	saturated	+
Resistance to Solvents		
Acetone		+
Ethanol		+
Methanol		+
Resistance to Mineral, Animal and Vegetable Oils		
Diesel oil		(+)
Fuel oil		(+)
Olive oil		(+)
Glycerin		(+)
Resistance to Other Chemicals		
Bleach		+
Pool water		+
Beer		+

Below-mentioned symbols show the resistance of **weberjoint HR flex** to chemicals.

+	Resistant to mentioned chemicals
(+)	Resistant to mentioned chemicals in short-term contact. In contact with these chemicals, they should be cleaned as soon as possible. Please consult us for chemicals not stated in the table.

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