

weber EP easy

Epoxy based, two-component, high performance, resistant to chemicals and bacteria tile grout and tile adhesive with improved application features

Technical Data Sheet:
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■ Description

Epoxy based, two-component, high performance, resistant to chemicals and bacteria tile grout and tile adhesive with improved application features.

■ Reference standards

- TS EN 13888 / RG
- TS EN 120004 / R2T marking
- G marking
- Public Works Pos No: 10.300.2233
- According to the BS6920 standart, contact with drinking water is approved

■ Advantages

- Easy application and easy cleaning
- Excellent resistance to chemicals
- Suitable for contact with drinking water
- Extra long working time

■ Range of application

- For coating materials such as ceramic, tile, granite ceramic, glass mosaic; weber EP easy is applied as grouting between 1-13 mm of thickness; as tile adhesive and grout on walls and floors; on places where special resistance to chemicals and bacteria is required, and for renewing worn grouts.
- Chemical industry;
- Laboratories, production and storing centers, paper, leather and battery factories, etc.
- Food industry;
- Slaughter houses, dairies, restaurants, wine and beer factories, wet-dry fruit processing plants, olive plants, tomato paste plants, biscuit plants etc.
- Hospitals and clinics;
- Operating rooms, kitchens, showers, sanitary areas etc.
- Swimming pools;
- Swimming pools and surrounding areas, sauna and sanitary baths, thermal and salty water hot springs,
- Supermarkets, shopping centers, metros and delicatessens, garages, power rooms, public toilets, water filtration centers etc.

■ Application substrates

- On interior and exterior wall and floor
- Cement based screeds and plasters,
- Metal substrates,
- Tile coverings.
- Please consult us for all other application substrates.

■ Application tools

Hand mixer, trowel, rubber hammer, steel notched trowel, joint gun, spatula, sponge.

■ 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 (heated) 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.
- Important deformations or holes on the substrate should be repaired with **weberrep MA 200** minimum 24 hours before the application of **weber EP easy**, the joint gaps should be dry and clean, they should be free from any kinds of cement residual.
- When performing joint operation with **weber EP easy**, it should be taken into account that the joints are dry and clean, and all kinds of cement and construction materials should be cleaned of their residues.

■ Application

- The whole of two components in the bucket should be mixed well until a homogenous paste is achieved with low-speed mixer preferably.
- If the whole of two components is not consumed completely, the mixing ratio in weight of two components will be 92,28/7,72 (component A/ component B).
- **weber EP easy** should be kept in hot area a day before for slippery and application easiness in applications to be done at temperatures below 15 °C. However, during application **weber EP easy** should be certainly at room temperature (23±2 °C).
- **For ceramic adhesion:**
- The mortar should be applied on the substrate and its thickness should be adjusted with steel notched trowel. Tooth size of trowel should be determined as per the size of tile to be laid and smoothness of application substrate.
- For good adhesion force should be applied by means of rubber hammer and air should be ejected. Stains of weber EP easy on the tiles should be cleaned with room temperature water and damp sponge before drying.
- **For joint filler:**
- **weber EP easy** should be filled in gaps with spatula or joint gun.
- **weber EP easy** on the coating should be cleaned with room temperature water and, damp sponge thoroughly before it cures during the application. It is very hard to clean **weber EP easy** after curing.

*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.*

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş.

Kemalpaşa OSB Mah. Kuyucak Yolu Sokak No:284 • 35730 Kemalpaşa • İzmir • Türkiye
Tel: +90 (232) 397 07 00 • www.tr.weber • info@weber.com.tr • Çözüm Hattı 444 6 990

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Consumption

Ceramic size	Ceramic dept	Joint width		
		3 mm (g/m ²)	6 mm (g/m ²)	10 mm (g/m ²)
10x10 cm	6 mm	600	1200	1980
20x20 cm	8 mm	390	770	1280
25x40 cm	8 mm	250	500	835
33x33 cm	8 mm	235	465	780

Consumption as a tile adhesive	1,5-1,8 kg/m ²
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Attention points

- Please consult us for the environments where chemicals are used that are outside the specified chemical resistance table.
- Tile adhered using **weber EP easy** must necessarily be grouted using **weber EP easy**.
- All tools after application should be washed with warm water before drying.
- Gloves must be worn when applying **weber EP easy** eye and skin contact should be avoided.

Technical Information

Product	weber EP easy
Product Type	Epoxy
Colour	White, Grey, Karya Cream, Beige, Sand Beige, Granite Grey
Packaging	5 kg and 2,5 kg plastic bucket
Application features	
Pot life	Max.110 minutes
As a ceramic adhesive	
Application thickness	3-5 mm (single or double sided)
Setting time	between 12-24 hours
Time of full resistance to chemicals	7-10 days 23 °C
As grout	
Time required opening floor to traffic	Heavy traffic : 48 hours Normal traffic : 24 hours
Joint width	1-13 mm

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Performance	
As grout	
Abrasion strength	≤250 mm ³
Flexural strength	≥30 N/mm ²
Pressure strength	≥45 N/mm ²
Shrinkage	≤1,5 mm/m
Water absorption (after 240 min.)	≤ 0,1 g
As tile adhesive	
Initial shear adhesion strength	≥2 N/mm ²
Shear adhesion strength after water immersion	≥2 N/mm ²
Open time tensile adhesion strengt(after not less than 20 min)	≥0,5 N/mm ²
Shear adhesion strength after thermal shock	≥2 N/mm ²
Slip	≤0,5 mm
Heat resistance	between -40°C and +100 °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.

Storage

Packaging	• 5 kg and 2,5 kg'lık plastic bucket (two-components).
Shelf life	• 2 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.

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

■ Table of resistance to chemicals

Chemical name	Concentration	Resistance
Resistance to acids		
Lactic acid	2,5 %	+
Asetic acid	3 %	+
Tartaric acid	10 %	+
Sitric acid	10 %	+
Phosforic acid	50 %	(+)
Hydrochloric acid	0,05 %	(+)
Nitric acid	50 %	-
Sulfuric acid	96 %	-
Oxalic acid	10 %	+
Descaler	100 %	+
Bleach	100 %	+
Resistance to bases and salts		
Sodium hydroxide	50 %	+
Sodium hypochloride	5 %	(+)
Sodium chloride	36 %	+
Potasyum hidroxide	50 %	+
Potasyum permanganate	5 %	(+)
Sodium bisulfate	10 %	+
Hydrogen peroxide	10 %	+
Aluminium sulfate	saturated	(+)
Sodium thiosulfate	saturated	+
Ferric chloride	10 %	(+)
Resistance to solvents		
Acetone	99,5 %	-
Ethanol	96 %	-
Methanol	96 %	-
Ammonia	96 %	+
Glycerol	-	+
Carbon tetrachloride	-	-
Ethylene glycol	-	+
Toluen	-	-

Resistance to mineral animal and vegetable oils		
Fuel oil	100 %	+
Olive oil	100 %	+
Diesel	100 %	+
Resistance to other chemicals		
Pool water	-	+
Sugar(saturated)		+

Instructions;
Below-mentioned symbols show the resistance of **weber EP easy** 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.
-	Resistant to mentioned chemicals in short-term contact. In contact with these chemicals, they should be cleaned as soon as possible

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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