

# 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 13888-1/ RG
- TS EN 120004-1 / 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** structural repair mortars 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.  
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## ■ Consumption

| Ceramic size | Ceramic dept | Joint width              |                          |                           |
|--------------|--------------|--------------------------|--------------------------|---------------------------|
|              |              | 3 mm (g/m <sup>2</sup> ) | 6 mm (g/m <sup>2</sup> ) | 10 mm (g/m <sup>2</sup> ) |
| 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 <sup>2</sup> |
|--------------------------------|---------------------------|

## ■ 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                                 | 5 kg: White, Grey, Karga Cream, Beige, Sand Beige, Granite Grey<br>2,5 kg: white and grey |
| Packaging                              | 5 kg and 2,5 kg plastic bucket  |
| Application features                   |   |
| Pot life                               | Max.110 minutes   |
| As tile 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 joint grout                         |   |
| Time required opening floor to traffic | Heavy traffic : 48 hours<br>Normal traffic : 24 hours                                     |
| Joint width                            | 1-13 mm   |

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|   |                            |
|---|----------------------------|
| Performance   |                            |
| As joint grout  |                            |
| Abrasion strength   | ≤250 mm <sup>3</sup>       |
| Flexural strength   | ≥30 N/mm <sup>2</sup>      |
| Pressure strength   | ≥45 N/mm <sup>2</sup>      |
| Shrinkage   | ≤1,5 mm/m                  |
| Water absorption (after 240 min.)                               | ≤ 0,1 g                    |
| As tile adhesive  |                            |
| Initial shear adhesion strength                                 | ≥2 N/mm <sup>2</sup>       |
| Shear adhesion strength after water immersion                   | ≥2 N/mm <sup>2</sup>       |
| Open time tensile adhesion strength(after not less than 20 min) | ≥0,5 N/mm <sup>2</sup>     |
| Shear adhesion strength after thermal shock                     | ≥2 N/mm <sup>2</sup>       |
| 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.<br>• 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 |
|---|---------------|------------|
| <b>Resistance to acids</b>                    |               |            |
| 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 %         | +          |
| <b>Resistance to bases and salt solenoids</b> |               |            |
| Sodium hydroxide                              | 50 %          | +          |
| Sodium hypochloride                           | 5 %           | (+)        |
| Sodium chloride                               | 36 %          | +          |
| Potasyum hidroksit                            | 50 %          | +          |
| Potasyum permanganat                          | 5 %           | (+)        |
| Sodium bisulfate                              | 10 %          | +          |
| Hydrogen peroxide                             | 10 %          | +          |
| Aluminium sulfate                             | saturated     | (+)        |
| Sodium thiosulfate                            | saturated     | +          |
| Ferric chloride                               | 10 %          | (+)        |
| Sodium hydroxide                              | 50 %          | +          |
| <b>Resistance to solvents</b>                 |               |            |
| Acetone                                       | 99,5 %        | -          |
| Ethanol                                       | 96 %          | -          |
| Methanol                                      | 96 %          | -          |
| Ammonia                                       | 96 %          | +          |
| Glycerol                                      | -             | +          |
| Carbon tetrachloride                          | -             | -          |
| Ethylene glycol                               | -             | +          |
| Toluen  | -             | -          |

| <b>Resistance to mineral animal and vegetable oils</b> |       |   |
|--|-------|---|
| Fuel oil   | 100 % | + |
| Olive oil  | 100 % | + |
| Diesel   | 100 % | + |
| <b>Resistance to other chemicals</b>                   |       |   |
| 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.

Access detailed documentation of the product by scanning QR or [tr.weber](https://tr.weber)



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