

**A two-part, high-strength epoxy adhesive and grout for interior and exterior use available in a range of colours**

# weber.joint epoxy

## fermapoxy



### About this product

**weber.joint epoxy** is a two-part, epoxy resin adhesive and grout for interior and exterior use available in a range of colours.

Grouts ceramic, porcelain, mosaic and quarry tiles etc, on walls and floors.

### Technical data

Exceeds the requirements of BS EN 12004 for R2

Joint width	3 – 10 mm
Bed thickness	3 – 5 mm
Working time (pot life)	60 – 90 minutes
Set/curing time	Light pedestrian traffic after 24 hours, and full load capacity after 72 hours
Temperature resistance (when set)	–30° C to 100°C
Particle size	Up to approx. 0.25 mm

Note: setting times are quoted at 20°C and are temperature dependent. Temperatures below 10°C will dramatically extend the curing time.

### Uses

- For grouting tiles where chemical resistance and/or complete impermeability are required: hospitals, laboratories, laundries, kitchens, dairies, abattoirs, breweries, distilleries, refrigerated rooms, toilets, bathrooms, swimming pools, car wash bays etc.
- For fixing tiles where very high bond strength, toughness and flexibility are required

### Features and benefits

- ▲ Manufactured under BSI Quality Assurance Scheme ISO 9001
- ▲ Resistant to chemicals
- ▲ Impermeable to liquids and easy to sterilise, clean and maintain
- ▲ Flexible
- ▲ High bond strength
- ▲ Long working time
- ▲ Easy to use
- ▲ Available colours:
  - grey
  - white
- ▲ Also available to bulk order only:
  - beige
  - charcoal
  - ivory

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## Preparation

### For fixing

All surfaces must be rigid, dry, clean and sound. Wire-brush the surface and then wash down with water and allow to dry. Any voids or defects must be repaired beforehand and allowed to fully set.

### For grouting

The tile adhesive must be fully dry/cured. For swimming pools leave at least 3 days before grouting. Joints must be clean and dry. Ensure that no loose debris, cement or adhesive residue remains.

### Caution

Some unglazed, or textured/matt glazed tiles are prone to surface staining. If in doubt, test on a spare tile first. Epoxy resins are very difficult to remove once cured. It is essential that any excess product is removed before it hardens. Epoxy resin can tend to yellow slightly in high UV light conditions or at high temperature.

## Mixing

Add all of the hardener component (in the lid) to the resin component (in the base).

Thoroughly mix the two components together until a uniform colour and consistency is achieved.

Mixing with a slow speed (100 rpm) mechanical mixer is recommended.

Do not part mix and do not add water.

## Application

**Do not use where the temperature is below, or likely to fall below, 10°C during application and curing.**

### Fixing

Apply the adhesive onto the substrate using a suitable notched trowel, covering up to 1 m<sup>2</sup> at a time (or no more than can be tiled within 20 minutes. Bed the tiles firmly into the adhesive using a twisting/sliding action. It is good practice to occasionally remove a tile to ensure that a solid bed of adhesive is being achieved. Leave for a least 24 hours before grouting, longer may be required at lower temperatures.

### Grouting

Work the grout into the joints with a hard rubber float. Only grout a small area at a time and ensure that the joints are firmly filled and free of voids.

Wipe off any excess grout immediately with the float, working diagonally to prevent dragging grout from the joints. Particular care is required if the joints are wide.

Use a damp emulsifying pad to clean the face of the tiles and emulsify the grout surface before the grout starts to set. Wipe clean with a damp sponge. Failure to correctly finish the grout will give a rough surface, which will be difficult to clean.

Finally, clean the tiles surface with water after 12 – 24 hours.

### Allowance for movement

Flexible joints should be incorporated to allow for slight movements due to changes in temperature, humidity etc. as indicated by BS5385:

- where the tiling meets other materials (e.g. floor perimeters)
- along all internal corners – vertically and horizontally
- over existing movement joints or changes in background material
- dividing large tiled areas into bays (every 3 – 4.5 m on walls, 8 – 10 m on floors)

## Packaging

weber.joint epoxy is supplied in 5 kg plastic buckets.

## Coverage

### Fixing

Approx. 1.7 kg/m<sup>2</sup> for every 1 mm of bed thickness.

### Grouting

Approx. 0.2 to 1.0 kg/m<sup>2</sup> depending on tile and joint sizes.

For example:

Tile size (mm) (l x w x d)	Joint width (mm)	Coverage (kg/m <sup>2</sup> )
25 x 25 x 4	2	1.02
100 x 100 x 6	2	0.38
200 x 200 x 6	2	0.19
300 x 300 x 8	2	0.17
300 x 300 x 8	5	0.43
300 x 300 x 12	5	0.64

## Storage and shelf life

Shelf life is at least 12 months when it is kept unopened and stored between 5°C and 25°C.

## Health and safety

### Hardener (in lid)

Contains less than 10% isophorone diamine. Irritating to eyes and skin.

May cause sensitisation by skin contact.

In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Wear suitable protective clothing, gloves and face/eye protection.

### Resin (in base)

Contains epoxy constituents. Refer to information supplied by manufacturer (see Material Safety Data Sheet).

Irritating to eyes and skin.

May cause sensitisation by skin contact.

After contact with skin, wash immediately with plenty of soap and water.

Wear suitable gloves and face/eye protection.

**For further information, please request the Material Safety Data Sheet for this product.**

## Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

### Technical helpline

Tel: (01525) 722137

Fax: (01525) 718988

## Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. For UK sales enquiries and overseas projects, contact Weber's Sales office.

### Sales office

Tel: (01525) 722100

Fax: (01525) 718988

### Saint-Gobain Weber Ltd

Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK  
Tel: 08703 330070 Fax: (01525) 718988 e-mail: mail@netweber.co.uk

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