

TECHNICAL FILE

weber.color epoxy**Uses**

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

Composition

It is a two- component product which contains epoxy resin, hardener and silica

Preparation 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.

Product application

- 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 (500 rpm) mechanical mixer is recommended. Do not part mix and do not add water.

- Fixing

Apply the adhesive onto the substrate using a suitable notched trowel, covering up to 1m² 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. Failure to correctly finish the grout will give a rough surface, which will be difficult to clean. Clean the tiles surface with warm water as you apply the product.

Technical data

- Compressive resistance: 650kg/cm² (65MPa)
- Temperature Resistance: -40°C to 100°C
- Adherence to concrete: >30kg/cm² (>3MPa)
- Sheer resistance: 140kg/cm² (14 MPa)

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Application

- Joint width: 3 – 10 mm
- Bed thickness: 8 mm
- Working time (pot life) 90 minutes
- Set/curing time Light pedestrian traffic after 24hours, and full load capacity after 72 hours
- 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.

Recommendations

- 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.
- Application temperature between 10°C and 30°C.
- 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.

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

Packaging

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

Coverage

- Fixing

Approx. 1.7 kg/m² for every 1 mm of bed thickness.

- Grouting

Approx. 0.2 to 1.0 kg/m² depending on tile and joint sizes.

Color

Grey and White

Storage and Shelf Life

When stored airtight in a cool, dry place at temperatures above 5°C and protected from frost, shelf life is 12 months from date of manufacture.

