

Fast-setting, high-strength flowing grout

weber.tec grout FG

certite pourable grout fine grade



Uses

- Grouting runway lights
- Fixing vertical bolts, starter bars and dowels
- Grouting anchor bolts and holding down bolts

About this product

weber.tec grout FG is a two-component polyester grout for anchoring and fixing. Fast-setting for rapid installation and can be used down to 0°C. Flowing grout to fill gaps of between 5 mm up to 90 mm dependent upon bulking out with coarse aggregate.

Technical data

The following test results were obtained in laboratory conditions at the following temperatures: Standard grade, 20°C; Rapid grade, 10°C; Tropical grade, 30°C.

	2 hours	24 hours	72 hours
Compressive strength	70 – 80 N/mm ²	80 – 90 N/mm ²	90 – 96 N/mm ²
Tensile strength	10 – 12 N/mm ²	10 – 13 N/mm ²	12 – 15 N/mm ²
Flexural strength	25 – 29 N/mm ²	25 – 30 N/mm ²	27 – 32 N/mm ²
Flexural modulus of elasticity E _R value	10 – 12 kN/mm ²	12 – 15 kN/mm ²	14 – 16 kN/mm ²

Pot life or cure time

Temperature	Standard grade	Rapid grade	Tropical grade
0°C	–	40 minutes	–
5°C	–	25 minutes	–
7°C	65 minutes	22 minutes	–
10°C	50 minutes	17 minutes	–
15°C	32 minutes	12 minutes	–
20°C	20 minutes	Do not use above 15°C	40 minutes
25°C	15 minutes	–	33 minutes
30°C	Do not use above 25°C	–	28 minutes
35°C	–	–	23 minutes
40°C	–	–	10 minutes

Features and benefits

- ▲ Fast-setting with rapid strength gain, allowing loads to be applied within 2 hours at 20°C
- ▲ Economical usage through part mixing by volume
- ▲ Available in standard, rapid and tropical grades depending upon temperature
- ▲ Excellent adhesion to concrete and asphalt substrates
- ▲ Can be bulked out for varying gap sizes, 5 mm – 90 mm
- ▲ Proven technology with reliability

weber.tec grout FG

Preparation

It is essential that all surfaces are clean, sound and dry. Inadequate preparation is likely to lead to a failure of bond.

Concrete surfaces should be prepared by suitable mechanical method to provide a clean, freshly-exposed concrete surface. Drill holes with a rotary percussive drill to provide a rough side to the drilled hole suitable for anchorage.

New concrete must be 28 days old and free of any cement laitance.

Steel surfaces should be free of any surface rust and grit blasted. Degrease with **weber.tec solvent 3**.

Asphalt surfaces should be clean, sound and dry. Ensure any cut surfaces are washed to remove any slurry or dirt.

Mixing

weber.tec grout FG when mixed is used for annular gaps of between 5 mm and 12 mm. For larger gaps, **weber.tec grout FG** can be bulked out as follows:

Gap size	Materials	Yield
5 – 12 mm	weber.tec grout FG	12 litres
12 – 25 mm	Up to 20 kg oven dried 8 – 16 grade sand per pack grout	20 litres
20 – 40 mm	Up to 27 kg of aggregate single size 5 – 6 mm per pack grout	22 litres
30 – 90 mm	15 kg of aggregate, single size 10 mm per pack of grout	18 litres

NB: do not use site sand or aggregates.

Mixing should be carried out in a clean, dry mixing vessel using a forced-action mixer such as a Daines Mixal mixer or a Creteangle.

Measuring cups are provided for mixing small quantities. The mixing ratio by volume is:

- 1 cup resin
- 3 cups powder hardener.

Application

weber.tec grout FG must be placed immediately after mixing, due to the rapid set of the grout.

Setting times are dependent on temperature and these are shown in the Technical Data on the facing page.

Ensure there are no voids or entrapped air in the gap.

It is recommended that in hot weather, the product is kept as cool as possible.

Packaging

weber.tec grout FG is supplied in 22.5 kg packs.

Yield

Yield is dependent upon bulking out – see *Mixing*.

Storage and shelf life

Store in a cool, dry place.

Shelf life of unopened packs is at least 12 months.

For hot weather conditions, it is recommended that the tropical grade is kept cool in a refrigerated container and in insulated boxes on site. This will ensure a longer working time.

Health and safety

Polyester-based.

Wear gloves when handling **weber.tec grout FG**.

When freshly mixed and before it has set, **weber.tec grout FG** is flammable, with a flash point of 30°C. The material can be handled safely and easily, provided that proper site cleanliness is observed. Operatives are advised to avoid direct contact by using barrier creams and protective clothing. In the event of contamination the product should be removed with soap and water or proprietary cleansing creams. Working areas should be well ventilated

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) 722110

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@weberbuildingsolutions.co.uk

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.