

Fast-setting, high-strength flowing grout

webertec grout FG



About this product

webertec grout FG is a three-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 5mm up to 90mm dependent upon bulking out with aggregate.

Technical data

AC150/5370-10 P606 Test results

| Performance Characteristic | Method | Requirement | Result |
|---------------------------------------|--------------------|---------------|--------------------|
| Tensile strength | ASTM D-638-09 | 1000 psi | 2639 psi 18.19 MPa |
| Elongation | ASTM D-638-09 | ≥20% | 0.98% |
| Dielectric strength (short time test) | ASTM D-149-97a | 350 Volts/Mil | 360 Volts/Mil |
| Arc resistance | ASTM D-495-14 | 125 seconds | 185 seconds |
| Adhesion to steel | FAA Item P-606-3.5 | 1000 psi | 1483 psi 10.22 MPa |
| Adhesion to cement concrete | FAA Item P-606-3.6 | 200 psi | 639 psi 4.4 MPa |
| Compatibility with asphalt concrete | ASTM D-5329-16 | Yes / No | Compatible |
| Adhesion to aluminium | ASTM D-4541 | 250 psi | 448 psi 3.1 MPa |

Pot life or cure time

| Temperature | Standard grade | Rapid grade |
|-------------|-----------------------|-----------------------|
| 0°C | – | 40 minutes |
| 5°C | – | 25 minutes |
| 7°C | Do not use below 10°C | 22 minutes |
| 10°C | 55 minutes | 17 minutes |
| 15°C | 45 minutes | 12 minutes |
| 20°C | 30 minutes | Do not use above 17°C |
| 25°C | 20 minutes | – |
| 30°C | 15 minutes | – |
| 35°C | 12 minutes | – |
| 40°C | 8 minutes | – |

Uses

- Fixing airport lighting units
- Fixing vertical bolts, starter bars and dowels
- Grouting anchor bolts and holding down bolts

Features and benefits

- ▲ Fast-setting with rapid strength gain, allowing loads to be applied within 2 hours at 20°C
- ▲ Available in standard and rapid 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
- ▲ Over 30 years experience worldwide

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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 **webertec solvent**.

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

Application

webertec 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

webertec grout FG is supplied in 23.3kg packs.

Yield

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

Storage and shelf life

Store in a cool, dry place.

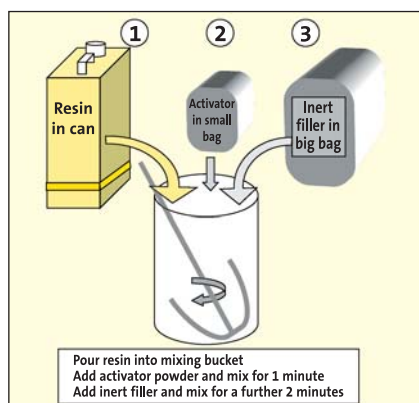
Shelf life of unopened packs is at least 12 months.

For hot weather conditions, it is recommended that **webertec grout FG** is kept cool in a refrigerated container and in insulated boxes on site. This will ensure a longer working time.

Health and safety

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

Mixing



Pour the resin into a clean plastic or other suitable container and gradually add the small bag containing hardener. Mix thoroughly. Now add the large bag containing filler and mix until a uniform colour and consistency is achieved.

Small quantities can be mixed by hand using a spatula, flat stick etc. Larger quantities should be mixed using a mechanical stirrer or electric drill attachment, such as an MR4-100 blade at a speed below 450 rpm.

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

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

NB: do not use site sand or aggregates. All aggregates must be oven-dried.

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 718877 Option 2
e-mail technical@netweber.co.uk

Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

UK and Ireland

Tel: 01525 718877
Fax: 0800 014 2995
e-mail customerservice@netweber.co.uk

Saint-Gobain Weber

Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK
Tel: 01525 718877 Fax: 0800 014 2995 e-mail: mail@netweber.co.uk
www.uk.weber

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