

Fast-setting pourable grout for filling cable slots

weber.tec cable grout

certite cable grout



Uses

- Runway airport lighting
- Taxiways and hardstanding
- Communication cables in sawn slots

About this product

weber.tec cable grout is a low-modulus, semi-flexible polyester resin compound for filling cable slots. Can be used in asphalt, bitumen and concrete surfaces. Use for gaps 5 mm to 16 mm wide.

Features and benefits

- ▲ Easy to mix and place
- ▲ Does not segregate or bleed
- ▲ Rapid setting for quick return to service
- ▲ Can be used in cold weather down to 0°C
- ▲ Good abrasion resistance
- ▲ Excellent chemical resistance
- ▲ Available in two colour grades: black for asphalt, grey for concrete
- ▲ Available in 3 grades depending on application temperatures

Technical data

The following test results were obtained in laboratory conditions, in 2 hours.

	Standard grade 20°C	Rapid grade 10°C	Tropical grade 30°C
Compressive strength	13 N/mm ²	10 N/mm ²	15 N/mm ²
Tensile strength	3.5 N/mm ²	3.5 N/mm ²	3 N/mm ²
Flexural modulus	10 – 12 N/mm ²	12 – 14 N/mm ²	9 – 11 N/mm ²
Modulus of elasticity in compression	14 kN/mm ²	15 kN/mm ²	10 kN/mm ²
Bond strength	Failure of concrete or asphalt substrate →		
Density	1659 – 1725 kg/m ³ →		

Setting time

Cure temperature	Standard grade	Rapid grade	Tropical grade
0°C	–	40 – 45 minutes	–
5°C	Do not use below 7°C	25 – 30 minutes	–
7°C	60 – 75 minutes	22 – 27 minutes	–
10°C	50 – 57 minutes	17 – 22 minutes	–
15°C	32 – 37 minutes	12 – 16 minutes	Do not use
20°C	20 – 24 minutes	Do not use above 17°C	25 – 30 min.
25°C	15 – 16 minutes	–	20 – 25 min.
30°C	Do not use	–	15 – 20 min.
35°C	Do not use	–	10 – 15 min.
40°C	Do not use	–	Approx. 10 min.

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Preparation

All surfaces must be mechanically sound, dry and clean. All saw cuts should be free of slurry, dirt, dust, grease, oil or any other contaminants.

Saw cuts should be as narrow as possible, depending on cable size.

Surfaces should provide a textured, mechanical key for full bond.

The edges of slots should be cut sharp.

New concrete should be at least 7 days old prior to grouting.

Mixing

Mix using a forced-action mixer, such as a Daines Mixal mixer or Cretengle, or using an EPI MR 130B helical paddle and slow speed drill (below 450 rpm). Take care not to entrain air whilst mixing.

Part mixing

Part mixes may be made for smaller quantities using the cups provided.

Mix ratios by volume as follows:

- 1 plastic cup of resin
- 2 paper cups of hardener.

Mix in a clean mixing bucket, pour in the resin and then gradually stir in the powder hardener to achieve a smooth, even consistency.

Application

Immediately after mixing, pour **weber.tec cable grout** into the prepared slot using a funnel or tun dish.

Top up as required within 2 hours.

weber.tec cable grout is not intended for filling large voids. For gaps wider than 15 mm, use **weber.tec cable grout** mixed with clean, dry, rounded aggregate up to 8 mm diameter. Up to 10 kg of aggregate can be used for gaps not exceeding 30 mm.

Setting times are dependent upon temperature. These are shown in the *Technical Data* table.

Cleaning

Clean tools with **weber.tec solvent 3** before the grout sets.

Packaging

weber.tec cable grout is supplied in 16.5 kg packs

Yield

Yield is 9.5 litres per pack.

Storage and shelf life

Store in a cool, dry place out of direct sunlight. Shelf life in correct storage conditions is at least 12 months.

Protect from frost.

In hot weather conditions it is advisable to keep the product in refrigerated containers, transferred to insulated chambers/boxes on site.

Health and safety

Polyester-based.

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

When freshly mixed and before it has set, **weber.tec cable grout** 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
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

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