

Fast-setting, multi-purpose mortar

weber.tec mortar

certite mortar



Uses

- Patch repairs to small defects in concrete
- Repair of pre-cast kerbs
- Fixing small bolts and bedding steel plates
- For rapid set fixing of bridge bearing pads
- Repairs to concrete steps

About this product

weber.tec mortar is a three-component polyester resin mortar suitable for small concrete repairs. Comprises a liquid resin, powder hardener and filler to produce either a pourable mortar or stiff mortar. It can be applied in thicknesses of 3 mm to 50 mm maximum. Three grades are available for use in different temperatures.

Features and benefits

- ▲ Fast setting for quick and easy installation
- ▲ High strength allows rapid return to use
- ▲ Can be used in cold temperatures down to 0°C and still provide rapid set
- ▲ Economical usage through part mixing by volume – use only what is required

Technical data

		weber.tec mortar rapid		weber.tec mortar standard		weber.tec mortar tropical	
		5°C	10°C	15°C	20°C	25°C	30°C
Compressive strength	1 hour	30 N/mm ²	55 N/mm ²	60 N/mm ²	90 N/mm ²	90 N/mm ²	95 N/mm ²
	4 hour	80 N/mm ²	95 N/mm ²	90 N/mm ²	100 N/mm ²	95 N/mm ²	100 N/mm ²
	24 hour	100 N/mm ²	100 N/mm ²	105 N/mm ²	105 N/mm ²	100 N/mm ²	105 N/mm ²
Tensile strength	24 hour	9 N/mm ²	10 N/mm ²	10 N/mm ²	11 N/mm ²	10 N/mm ²	11 N/mm ²
Flexural strength	24 hour	26 N/mm ²	28 N/mm ²	28 N/mm ²	30 N/mm ²	28 N/mm ²	30 N/mm ²
Flexural modulus	24 hour	14 kN/mm ²	15 kN/mm ²	14 kN/mm ²	16 kN/mm ²	15 kN/mm ²	16 kN/mm ²

Setting times

Ambient temperature	weber.tec mortar rapid	weber.tec mortar standard	weber.tec mortar tropical
0°C	45 – 45 minutes	–	–
5°C	25 – 30 minutes	Do not use below 7°C	–
7°C	22 – 27 minutes	65 – 75 minutes	–
10°C	17 – 22 minutes	50 – 57 minutes	–
15°C	12 – 16 minutes	32 – 37 minutes	Do not use below 10°C
20°C	Do not use above 17°C	20 – 24 minutes	40 minutes
25°C	–	15 – 16 minutes	33 minutes
30°C	–	–	28 minutes
35°C	–	–	23 minutes
40°C	–	–	10 minutes

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Preparation

All surfaces must be mechanically sound, dry and clean. Ensure surfaces are free from dirt dust, paint, grease and any other contamination.

Cement laitance should be removed from concrete

New concrete should be 28 days old.

Mixing

Part mixing

Measuring cups are provided in 25 kg pack and the mixing ratio is:

- 2 cups liquid resin
- 1 cup white powder hardener
- 3 to 6 cups grey filler

Note: Do not mix more than 4 cups of resin, 2 cups of hardener and 12 cups of filler.

Mix and place small quantities of **weber.tec mortar** to avoid wastage.

Pour the resin into a clean, dry plastic or rubber bucket and gradually stir in the white powder hardener using a flat blade or palette knife. Stir until a uniform colour and consistency is achieved, then slowly add the grey filler and mix to the required consistency.

Add 3 cups of filler for a fluid mortar and 6 cups for a stiff mortar.

Small quantities can be mixed by hand using a flat blade or alternatively in a forced-action mixer.

Application

Immediately after mixing, place the mortar ensuring it is in full contact with the surfaces and compacted into position. **weber.tec mortar** sets quickly and should be used immediately after mixing.

Two grades of material are available:

- weber.tec mortar standard**
 - weber.tec mortar rapid**
- A Tropical Grade is available for large-volume orders.

Setting times are dependent on temperature and are detailed in the Technical Data table on the facing page.

Packaging

weber.tec mortar is supplied in a 25 kg pack.

Yield

One 25 kg pack yields a volume of 12.5 litres.

Storage and shelf life

Store in a cool dry place, protect from frost and direct sunlight. Shelf life in correct storage conditions is at least 12 months.

When used in hot climates, cool or cold storage conditions will extend the working time of the product.

Health and safety

Polyester-based.

Wear gloves when handling **weber.tec mortar**.

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