

Fast-setting, polyester-based bedding mortar

weber.tec bedding mortar

certite bedding mortar



Uses

Typical applications include:

- bedding/fixing manhole frames
- bedding of airport landing lights
- bedding of duct frames
- fixing precast concrete units e.g. kerbstones

weber.tec bedding mortar is suitable for external use on:

- concrete
- dense brickwork
- asphalt
- stone
- block paviers

Fully complies with the Highways Agency Design Manual Document HA 104/02 for bedding mortar for trunk roads and motorways.

About this product

weber.tec bedding mortar is a two-component, polyester-based mortar for the bedding and fixing of manhole frames, airport landing lights, duct frames and precast concrete units. It has been formulated for easy mixing and placement, even at low temperatures and, when cured, provides a durable, chemically resistant bedding and fixing material with good bond strength.

Technical data

The following test results were obtained in laboratory conditions at 20°C

Compressive strength	after 2 hours	50 N/mm ²
	after 24 hours	85 N/mm ²
Flexural strength		13 N/mm ²
Flexural modulus		15 – 18 kN/mm ²
Tensile strength		9 N/mm ²
Density		2150 kg/m ³

Pot life or working time

Ambient temperature	Standard grade	Rapid grade
0°C	–	40 minutes
5°C	Do not use below 7°C	30 minutes
7°C	60 minutes	25 minutes
10°C	50 minutes	20 minutes
15°C	30 minutes	15 minutes
20°C	20 minutes	Do not use above 16°C
25°C	15 minutes	–

Features and benefits

- ▲ Meets the performance specification resulting from the Highways Agency sponsored LINK research contract carried out by Nottingham University's Department of Civil Engineering (1977)
- ▲ Easy to mix and place
- ▲ 20 minute working time for ease of placement
- ▲ Rapid setting for quick return to service (within 2 hours at 20°C)
- ▲ Rapid grade available for cold weather working or fast completion work
- ▲ Special grade available for application in temperatures above 30°C
- ▲ Good chemical and freeze/thaw resistance

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Preparation

Surfaces must be mechanically sound, dry and clean, i.e. free from dirt, dust, oil, grease etc. All supporting concrete must be sound. On manhole frames, ensure brickwork is fully bonded to the substrate. At temperatures below 5°C, when using **weber.tec bedding mortar – rapid grade**, surfaces must be free from frost.

Mixing

Empty all of the contents of the resin tins into a clean plastic bucket. Slowly add the contents of one of the bags of hardener/filler while mixing with a low speed mechanical mixer (450 rpm). Add the contents of the second bag of hardener/filler, and thoroughly mix to a uniform colour and consistency.

For smaller mixes, thoroughly mix one tin of resin with one bag of hardener/filler.

Application

Immediately after mixing, place the mortar around the perimeter of the manhole frame, ensuring that at least 25 mm is placed beneath the seating area around the frame base. Level and tamp the frame onto the mortar bed. Ensure the flange around the supporting frame is covered with mortar. Allow two hours after installation before subjecting the manhole to traffic conditions.

For other applications, place the mortar in full contact with the surfaces and compact to ensure that all surfaces are in firm contact. The bedding layer should be between 10 mm and 40 mm. To improve the finish, wet the surface of the application tools with **weber.tec solvent 1** and smooth over the **weber.tec bedding mortar** before it has set.

Application guides for both manhole bedding and the installation of airport landing lights may be obtained from Weber's Technical Services Department.

Cleaning

Clean all tools and equipment with **weber.tec solvent 3** before the material sets.

Packaging

weber.tec bedding mortar is supplied in 25 kg plastic buckets.

Yield

Yield approx. 12 litres per 25 kg pack.

Storage and shelf life

Store in a cool, dry place. Shelf life in correct storage conditions is 12 months.

Health and safety

Flash point 30°C.
Harmful by inhalation.
May cause sensitisation by skin contact.
Keep away from food, drink and animal feeding stuffs.
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed, seek medical advice immediately and show this data sheet.
Use only in well ventilated areas. Do not smoke.
In the event of fire, use foam, dry chemical, carbon dioxide (CO₂) extinguishers or water fog appliances.
Keep out of the reach of children

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.

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