

# webercem pyrabed

Shrinkage compensated, rapid setting bedding mortar for the reinstatement of road iron work and highway furniture

- \* Rapid strength development
- \* Excellent bond strength
- \* Ideal for bedding and levelling road ironworks
- \* Can be open to traffic in 60-90mins

## About this product

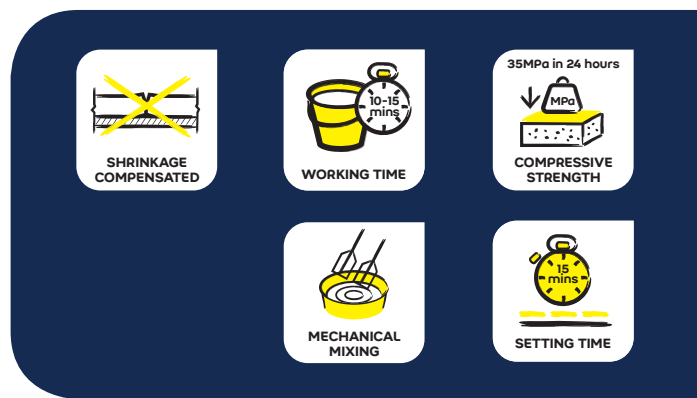
**webercem pyrabed** is a range of cementitious products containing a blend of special cements and graded aggregates, which when mixed with water produce fast setting bedding mortars for the rapid installation of ironwork and highway furniture. They can be applied to depth of 10 – 100mm in one pass and the rapid strength development characteristics allow the road to be opened to traffic between 60 – 90 minutes after placement, dependent on the grade of product selected.

## Features and benefits

- Working times between 5 – 15 minutes at 20°C
- Rapid strength development reducing repair possession times
- Open to traffic between 60 – 90 minutes
- Shrinkage compensated
- Economical repair, can be extended with aggregate for repairs more than 100mm in thickness providing flexibility of use
- Excellent strength gain at low temperatures
- Excellent bond strength
- No primer required
- Two grades of mortar to allow for varying traffic conditions

## Uses

- Bedding and levelling of road iron work and highway furniture
- Bonding of granite sets and flags
- Rapid installation of access chamber brickwork
- Suitable for dry pack applications
- Large cable duct installations



## Technical data

The following test results were obtained in lab conditions at 20°C, 0.12 w/p ratio

webercem pyrabed Grade	T60	T90
<b>Physical properties</b>		
Plastic density	2200 kg/m <sup>3</sup>	2200 kg/m <sup>3</sup>
Working time	5 – 10 mins	10 – 15 mins
Setting time	10 minutes	15 minutes
Traffic time*	60 minutes	90 minutes
*Times will be extended at lower temperatures		
<b>Mechanical properties</b>		
<b>Compressive strength</b>		
45 minutes	10 MPa	5 MPa
1 hour	20 MPa	15 MPa
2 hours	30 MPa	25 MPa
24 hours	35 MPa	30 MPa

## Preparation

Clean and remove all oil, grease, dirt and loose debris from the work area to provide a sound substrate. Pre-soak the substrate, removing any standing water before placing the mortar.

## Mixing

Use only freshly opened bags of **webercem pyrabed** and a clean, forced-action mixer such as a Cretangle or Mixal mixer. Charge the mixer with 2.5 – 3.0 litres of water per 25kg bag, add the powder gradually to the mixer and mix for 2 – 3 minutes until a stiff mortar consistency is achieved.

When mixing by hand use a clean spot board or wheelbarrow. Add 3 litres of water per 25kg bag, mix until the powder is fully wetted out and a homogeneous mix is produced.

Small quantities can be mixed by hand using a ratio of 6 parts powder to 1 part of clean water by volume.

For repairs over 100mm thick, bulk out with 30% (by weight) of 5 – 10mm aggregate and mix for 3 minutes to a uniform consistency.

## Application

Apply sufficient mixed mortar onto the pre-wetted substrate to ensure full contact will be made with the bottom of the frame or unit.

Lower the frame or unit onto the mortar and tap down to line and level. The mortar can be applied between 10 – 100mm in a single pass – greater thickness can be achieved using a layer-upon-layer method.

Once the mortar has reached initial set, fresh mortar can be used to backfill the ironwork.

The **webercem pyrabed** should be placed within 5 – 15 minutes of completion of mixing (see technical data table).

The set time will be extended in cold conditions and shortened in hot conditions. At lower temperatures it is advisable to keep the powder warm and use warm water up to 30°C.

**webercem pyrabed** can be used down to 5°C. For applications below 5°C, please consult Weber's Technical Services Department.

## Curing

No special curing is required at application temperatures between 5°C and 35°C.

## Packaging

**webercem pyrabed** is supplied in 25kg bags.

## Yield

Yield per bag is 12.75 litres. Approximately 78 bags are required for 1m<sup>3</sup>.

## Storage and shelf life

When stored unopened in a dry place at temperatures above 5°C, shelf life is 6 months from date of manufacture.

## Health and safety

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

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

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