

webercem pyracrete

General purpose, rapid setting, cement-based bedding concrete

- * Rapid setting bedding concrete
- * Ideal for setting kerbstones and street furniture
- * Suitable for infilling around access chambers

About this product

webercem pyracrete is a ready-to-use rapid cement based concrete mix. It contains inert graded aggregates and non chloride accelerators. The product has been designed to be tamped or poured into shuttered voids and for backfilling around ironwork, or to be used for applications where a lower slump is required.

Features and benefits

- Single component – ready to use
- Contains 5mm inert coarse graded aggregate
- Rapid setting – 15 mins at 10°C
- Working time 7 mins at 10°C
- Can be applied to depths up to 500mm thickness in small areas <math><0.5\text{m}^2</math>
- Quality controlled material packed in 25kg bags
- Can be used winter or summer

Uses

- Infilling around access chambers and drainage gullies
- Setting of kerbs
- Building up access chambers
- Temporary patch repairs
- Many applications requiring a rapid setting concrete

Constraints

Not suitable for structural repairs to reinforced concrete.

Components

Pre-blended concrete comprising:

Cementitious binder: Minimum cement content 350kg/m³

Aggregate: 5mm maximum sized graded non-reactive carboniferous limestone

Additives: Microsilica, dust suppressants plasticisers

The total chloride content does not exceed 0.1% of the mass of cement.

Calcium chloride and admixtures containing chloride salts are not used.



Technical data

Dry density	2300kg/m ³
Initial set	10 mins at 20°C
Slump	75 – 250mm

Preparation

As with all repairs and applications it is essential to apply to a clean, sound surface free from all grease, oil, dust and loose material.

Concrete substrates must be adequately prepared by a suitable mechanical method such as scabbling, grit blasting, water jetting or needle gunning, or by such other means as appropriate.

Concrete must be prepared to give a clean freshly exposed surface. The outer limits of concrete patches should be cut reasonably square and feather edges should be avoided.

Old concrete surfaces contaminated with oil or grease must be cleaned with a suitable detergent. Care must be taken to ensure that the oil or grease is removed from the surface and not simply spread over a larger area.

The concrete surface should be pre-wetted with water allowing surplus water to drain off.

When used to infill around access chamber frames in asphaltic road pavements, ensure all debris has been removed before filling with this product.

Mixing

Mixing equipment

The recommended mixer is a twin bladed, double handed electrically driven paddle mixer. The contra-rotating paddles do not create a torque that is difficult to control and mixing is quick and easy even with this type of firm mortar. Mixing time is about 2 minutes.

Alternatively it is possible to produce a consistent mortar with a forced action mixer or a MR4 type of blade fitted to a powerful drill. Mixing time is about 4 minutes.

We do not recommend hand mixing or mixing with a shovel on a board.

Mixing procedure

Pour 24 litres of water into a clean pail. Do not use pails that have been used to mix the concrete without first cleaning them otherwise flash set may take place.

Add the powder slowly while mixing all the time. After about half the powder is added, which should take about a minute, stir around the rim and into the bottom of the pail to ensure thorough mixing of all the powder, eliminating any undispersed powder that may have accumulated in the bottom.

The mix will appear very runny, like a grout at this stage. Continue to add powder, mixing all the while until all the powder has been added. Continue to mix until the concrete appears to be uniform in appearance.

This produces a tappable mix that is very easy to use. If a more pourable mix is needed add up to 0.3 litres extra water and mix well for a further 1 minute.

Avoid over-watering.

Application

Very rapid-setting. Use quickly.

Place the concrete in the dampened and prepared area. Place from one side to the other and work material into sides and bottom of the prepared area to ensure satisfactory bonding

Use rodding, tamping or power vibrators if necessary to ensure full compaction.

Screed and level up to existing concrete. Finish by trowel to seal edges, surface and saw cuts.

Do not re-temper by adding water.

NB: Fresh material may slump slightly on surfaces which are not level, in which case the final finishing should take place just prior to setting.

Winter working

webercem pyracrete can be used to carry out repairs at temperatures down to 5°C.

Curing

Protect from rain while setting. Set times will vary with temperature and water, but will typically be in the range 8 – 20 mins

Packaging and yield

webercem pyracrete is supplied in 25kg polylined paper sacks.

Water addition:
in the range 2.4 – 2.7 litres/25kg bag.
Typical wet density: 2350kg/m³.

Yield (at 2.5 litres/25kg):
10.5 litres of concrete.

Storage and shelf life

This product is susceptible to ageing. When stored unopened in a dry place at temperatures above 10°C, shelf life is up to 6months 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.

Saint-Gobain Weber
Dickens House, Enterprise Way
Maulden Road, Flitwick, Bedford, MK45 5BY

+44 (0) 8703 330070
✉ technical@netweber.co.uk
🌐 www.uk.weber
📱 @SGWeberUK

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy themselves by prior testing that the product is suitable for their specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that they have consulted our latest literature.

