

Ultra rapid-setting plugging mortar

weber.cem plug 530

motex® dry-plug 530



Uses

- Water cut-off in: tunnels, sewers, basements, tanks, wells, mines.
- Sealing around pipes and other fixtures in concrete and masonry.

Constraints

weber.cem plug 530 must not be used for concrete repairs.

Maximum thickness 50 mm.

weber.cem plug 530 should only be used as a backup to permanent repairs.

Features and benefits

- ▲ Sets in 45 seconds (at 20°C)
- ▲ Sets under water
- ▲ Non toxic and non-metallic
- ▲ Excellent adhesion and strength
- ▲ Low permeability

About this product

weber.cem plug 530 is a cement-based, polymer-modified compound, specially designed for stopping water running or seeping through concrete or masonry. When mixed with water it forms a rapid-setting putty which is pressed into the cracks or holes and sets within one minute.

Technical data

Useable working time	20 seconds at 20°C
Setting time	45 seconds at 20°C
Density	2000 kg/m ³
pH of mixed mortar	13
Maximum aggregate size	0.4 mm
Adhesion to wet concrete	> 1.5 N/mm ² at 6 hours
Compressive strength	2.0 N/mm ² at 6 hours
Flexural strength	0.7 N/mm ² at 24 hours
Expansion	+ 845 microstrain

weber.cem plug 530

Preparation

All substrates must be dense, free of loose matter, laitance, paints, coatings, oil, grease and dust.

Any leaks should be chiselled out with square edges to a minimum depth of 25 mm and a minimum width of 12 mm. The depth to width ratio should be kept at about 2:1. Concrete block joints and small cavities in blocks should be raked out where the mortar is loose and saturated with water.

Thoroughly dampen the area with clean water before applying **weber.cem plug 530**.

For strong or large leaks it is best to relieve the water pressure by fixing in a pipe near to the leak and dewatering through it. Build up the plugging mortar gradually in layers.

Mixing

Wear rubber or polythene gloves. Use a clean bowl and a pallet knife or flat stick.

Add 1 volume of water to 2 to 3 volumes of powder depending on ambient temperature. Mix only small quantities at a time (approx. 0.5 kg) as the mortar sets quickly.

Mix thoroughly for about 20 seconds and work into a suitable pear shape for application. Speed is essential since **weber.cem plug 530** is a very rapid setting material.

In hot conditions (over 25°C) use chilled water.
In cold conditions (below 8°C) use warm water.

In freezing conditions store the product in a warm place prior to mixing. Use warm water for mixing and pre-warm that area with a blow-torch.

Application

Cracks and holes

Wearing rubber or plastic gloves push the mixed **weber.cem plug 530** firmly into the crack or hole and, where necessary, hold in place until initial set has taken place – usually 45 seconds or longer in cold weather. Avoid working, rubbing, trowelling etc, whilst initial set is taking place. On long cracks start at the top and work down.

Joints

Remove existing sealant, cut back around the joint to expose sound clean concrete.

Fill with **weber.cem plug 530** to cut off the water but leave a minimum 12 mm square recess to be filled subsequently with a replacement joint sealant.

General

Shave off excess material as soon as initial set has taken place.

Keep **weber.cem plug 530** damp for at least 30 minutes after placing. In some applications where water flow is excessive, dewater through pressure relief tubes. After plugging with **weber.cem plug 530**, remove tubes and finally plug-up the hole with **weber.cem plug 530**.

Finishing

weber.cem plug 530 is a water cut-off product. For a permanent repair we recommend an application of **weber.cem dryrend 521** waterproof render or **weber.cem coat 511** waterproof coating, depending on site requirements and the problem to cure. Please refer to the respective data sheets for further information.

Packaging

weber.cem plug 530 is available in 5 kg pails.

Yield

Each 5 kg pail yields 2.25 litres of mixed mortar.

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.

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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