

General-purpose, 'non-shrink'
cementitious grout

weber.cem grout

construction grout



Uses

- Grouting under stanchions and baseplates
- General void filling, under paving, in rubble walls etc
- Fixing ballustrades, starter bars, barriers
- Underpinning

Constraints

weber.cem grout must only be used in confined situations, e.g. under baseplates, in holes etc.

Features and benefits

- ▲ General purpose grout suitable for use over a temperature range of between 5°C and 25°C.
- ▲ Can be pumped, poured, trowelled or 'dry-packed'.
- ▲ Good flow properties.
- ▲ Can be applied in thicknesses ranging from 10 mm to 100 mm.
- ▲ Factory blended to eliminate on-site errors.
- ▲ Conforms to ASTM C827 *Early Volume Change of Cementitious Mixtures* producing a non-shrink grout.
- ▲ Does not contain metallic additives such as iron or aluminium.

About this product

weber.cem grout is a premixed, non-shrink cementitious grout developed for applications where a cost-efficient grout with adequate flow and strength is required. **weber.cem grout** is designed primarily as a pourable grout but can also be used at a plastic or dry pack consistency.

Technical data

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

Water addition		4.5 litres
Compressive strength	1 day	10 N/mm ²
	3 days	30 N/mm ²
	7 days	40 N/mm ²
	28 days	50 N/mm ²
Flexural strength	28 days	10.0 N/mm ²
Tensile strength	28 days	3.5 N/mm ²
Expansion		> 1.0%
Bleeding		none

weber.cem grout

Preparation

All surfaces should be clean and sound. Concrete surfaces must be free from any contamination including oil, grease, laitance and dust – and for maximum bond the surface should be roughened and pre-soaked with clean water.

Immediately prior to grouting, remove surface water including that in bolt holes or recesses.

Metal surfaces must be free from rust, scale, oil or grease but removable metal shims should be lightly oiled.

Bolt holes must be blown free of dust, water or any loose material.

Formwork should be well sealed to prevent leakage.

Mixing

Mixing and placement can be carried out between +5°C and +25°C. In service, **weber.cem grout** will perform similarly to other cementitious mixes based on Portland cement in the temperature range of -20°C to +150°C.

Mixing should be carried out in a proprietary grout mixer or by using a medium speed drill (650 rpm) with an MR4-type helical attachment.

Do not use more than the maximum stated water addition.

Water addition

To obtain the consistency appropriate for a particular application, use the water addition detailed opposite.

	Water addition (litres)	Yield (litres)
Dry-pack mortar	3	12.5
Pourable	3.5 – 4	13
Flowable	4 – 4.5	13.5

Application

When pouring, the area to be grouted should be shuttered and a header box used to maintain a grout head of 150 – 200 mm during the pour.

Machine mixing is recommended to achieve continuous pouring. For large applications **weber.cem grout** should be placed by pump, having been formulated to give a 30 minute working time.

Continuous grout flow is essential and sufficient grout and water should be available to be mixed to ensure there is no disruption during placement.

Where the thickness of grout is 100 – 200 mm, the grout may be bulked out with clean, single-sized aggregate by mixing in up to 10 kg of a 6 mm rounded aggregate per 25 kg bag. However, other **Weber** products are available, which may be more suitable. Please contact our Customer Services Department.

Avoid leaving unconfined areas of grout proud around bearings etc.

The grout around the edges of baseplates must be finished flush with the sides by cutting the grout while still green after stripping formwork.

Cracking may result in areas where there is no restraint.

Packaging

weber.cem grout is supplied in 25 kg polythene lined bags.

Yield

See *Water addition* above.

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. If stored longer, setting times will increase.

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.

Sales office
Tel: (01525) 722100
Fax: (01525) 718988

Saint-Gobain Weber Ltd
Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK
Tel: 08703 330070 Fax: (01525) 718988 e-mail: mail@weberbuildingsolutions.co.uk

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 himself by prior testing that the product is suitable for his 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 he has consulted our latest literature.