construction solutions

Preblended, single-component, polymer-modified, cementitious levelling mortar

webercem fairing coat

About this product

Preblended, single-component, polymer-modified, cementitious mortar needing only mixing with water to produce a high quality surface levelling mortar and pore filler for most concrete surfaces.

This product has been formulated to comply with the requirements of BS EN 1504-3.

Technical data

Mixed density	1900 kg/m³
Working time	> 45 minutes at 20°C

Performance to BS EN 1504-3

Test results – all intended uses

Performance characteristic	Method	BS EN 1504-3 requirement	Pass/ Fail
Chloride ion content	EN 1015-17	≤ 0.05%	Pass
Adhesive bond	EN 1542	≥ 0.8 MPa	Pass

Test results – certain intended uses

Performance characteristic	Method	BS EN 1504-3 requirement	
Thermal compatibility Part 1 Freeze/thaw	EN 13687-1	Visual inspection after 50 cycles	Pass
Coefficient of thermal expansion	EN 1770	Result = 13.5 x 10^{-6}/°C	N/A
Capillary absorption	EN 13057	No requirement	Pass

Uses

webercem fairing coat can be used for:

- Levelling new and old concrete surfaces, infilling surface imperfections
- Making good concrete blow holes, filling small holes
- Making good frost damaged and scoured concrete surfaces
- Levelling of patched concrete repairs

Constraints

webercem fairing coat is not intended as a final finish; normally, an anti-carbonation coating is subsequently applied. Do not use solvent or silane-based coatings.

Features and benefits

- Dual action - can be used as a pore filler and a levelling mortar
- Easy to apply: does not slump or slip
- Easy to spread to provide a smooth and level surface
- Good adhesion to prepared concrete
- Compatible with typical concretes
- Good carbonation resistance: contributes to the properties of the **webercem** Concrete Repair System
- Allows water vapour to escape - does not trap water vapour - does not blister
- Formulated to comply with the requirements of BS EN 1504-3

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Preparation

webercem fairing coat is suitable for use on concrete and dense concrete blockwork. *It is not suitable for lightweight blocks or bricks.*

All substrates must be sound, free of all contamination including laitance, paints, coatings, oil, grease and dust.

Concrete and concrete blockwork surfaces must be adequately prepared by use of suitable mechanical means such as grit blasting, high pressure water jetting or needle gunning to produce a lightly textured surface to ensure a good key.

Concrete surfaces contaminated with oil or grease require suitable preparation. New concrete must be fully cured for at least 14 days. Do not use a permanent curing membrane.

Defects such as honeycombing, leaks, pinholes, cracks etc. should be treated appropriately prior to the application of **webercem fairing coat**. Pinholes, blowholes, small voids and pores can be treated with **webercem fairing coat** as described below. Cure fresh repairs for at least 24 hours.

Thoroughly dampen the area to be treated with clean water and allow excess to drain off before applying **webercem fairing coat**.

Mixing

Mix **webercem fairing coat** in a forced-action mixer or in a clean bucket using a paddle and a slow speed drill at a speed not exceeding 400rpm. Mix for at least 2 minutes to a smooth and homogenous paste consistency. For normal levelling applications use 3 to 3.5 litres of water per 25 kg bag. For other applications such as pore filling, dubbing out, etc. the water addition can be varied depending on the consistency required and the ambient temperature.
Min. water addition: 3.5 litres per 25 kg bag
Max. water addition: 4.5 litres per 25 kg bag.
Usable time after re-mixing: > 45 minutes.
For small quantities, mix 1 part water to 4 parts of powder by volume.

Application

Ensure all pores, surface voids etc. are filled first before applying **webercem fairing coat** as a levelling mortar.

For pore filling: Use a pallette knife or similar tool to apply the mortar, pressing well into the pores. Alternatively, use a damp sponge to rub the mortar into the pores with a circular motion. Finish flush to the surface and rub off any excess mortar. It is best to allow the pore-filling mortar to harden first before re-wetting and applying the levelling coat.
Maximum depth and diameter of application: 5 mm

For surface levelling: Apply with a steel float to a thickness of about 2 mm pressing well into the damp substrate. If a thicker coat is needed to hide deeper surface imperfections, apply the second coat when the mortar has hardened sufficiently to support it.
Minimum thickness of application: 1 mm per layer.
Maximum thickness of application: 3 mm per layer up to a combined maximum of 5 mm.

A spray pump can be used when levelling large areas of concrete.

Use a steel float to provide a smooth surface when the mortar has firmed up sufficiently. Do not re-wet the surface before trowelling. This may cause some surface crazing.

Alternatively, rub up with a wooden float or sponge to produce a level surface suitable for overcoating.

Curing

Normal concrete curing methods are recommended. Do not use a curing agent when applying a coating unless it can be proven that the subsequent bond will be unimpaired.

webercem fairing coat can be overcoated by one of the anti-carbonation coatings in the **webercote** range. Overcoating times are dependent on weather conditions.

Temperature range of application: +5°C to +35°C. Do not apply on frozen surfaces or when frost is expected within 24 hours. Do not apply in direct sunlight or on hot substrates.

When applying in confined or close spaces, cure for 3 days then ensure sufficient ventilation to prevent condensation.

Note: Times quoted need to be extended at lower temperatures and reduced at higher temperatures.

EU VOC regulations 2008

EU limit for webercem fairing coat (cat A/j): 140 g/l (2007)/140 g/l (2010). **webercem fairing coat** contains <1 g/l VOC.

Packaging

Supplied in 25 kg bags.

Coverage

Actual yield depends on the water mix ratio.
Approx 3.8 kg per m^2 when applied at 2 mm thickness.
Approx. 6.5 m^2 per 25 kg at 2 mm.
Yield approx. 13.5 litres.

Storage and shelf life

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 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: **08703 330 070**
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Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

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