webercem bondcoat

Polymer-modified cementitious bonder for repair mortars

- Improves bond of Weber repair mortars
- High initial grab
- Contains fibres for improved application
- Universal primer for both steel and concrete

BRUSH APPLICATION

MEETS BS EN 1504-3

OPEN TIME

HIGH GRAB

CONTAINS FIBRES

About this product

webercem bondcoat is a single-component polymer-modified, cementitious bonding aid. It requires only the addition of clean water to produce a bonding slurry for **webercem HB30**, **webercem HB40** and **webercem lightweight** mortars.

This product has been formulated to comply with the requirements of BS EN 1504-3 for a bonding primer

Features and benefits

- High initial grab to improve the build of the repair mortar and promote the bond to the concrete
- This product has been formulated to comply with the requirements of BS EN 1504-3
- Contains fibres for improved thixotropy
- Cementitious, contains no solvents
- Single-component; simply mix with water

Uses

Holding primer for the following repair materials:

- **webercem HB30**
- **webercem HB40**
- **webercem lightweight**
- Improved bond of cementitious repair mortars to concrete

EU VOC regulations 2008

EU limit for webercem bondcoat (cat A/g or j): g-50 g/l, j-140 g/l (2007)/g-50 g/l, j-140 g/l (2010). **webercem bondcoat** contains <1 g/l VOC.

Technical data	
Mixed density	1.67 kg/litre
Typical coating thickness	1 – 2mm
Pot life	20 – 30 minutes at 20°C

Technical data EN1504				
Performance Characteristic	**Method**	**Requirement**	**Result**	**Pass/Fail**
Chloride ion content	EN 1015-17	≤0.05%	0.03%	Pass
Adhesive bond	EN 1542	≥1.5 MPa	1.7 MPa	Pass
Thermal compatibility Part 1 Freeze-thaw	EN 13687-1	"Bond strength after 50 cycles ≥1.5 MPa"	1.6 MPa	Pass

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REV. 04/01/19

Preparation

Concrete substrates

Concrete substrates must be adequately prepared by use of scabbing, needle gunning or other means, as appropriate. Oil and grease must be removed by steam cleaning together with suitable detergent. Any contaminated concrete must be removed. All damaged concrete should be cut back to a sound surface and at least 15mm behind any exposed reinforcement. The edges of the repair should be cut perpendicular to the surface of the repair.

Note: Disc cutting is not recommended due to hazardous respirable crystalline silica that can be produced.

New concrete must be at least 14 days old.

Thoroughly saturate the concrete but remove excess water.

Steel substrates

Steel substrates should be cleaned by a grit blasting treatment to Swedish Standard Specification SA 2½ (equivalent to BS 7079-A1) immediately prior to bonding. However, in many instances where corrosion is absent, wire brushing to obtain a clean surface may be adequate.

Where exposed reinforcement is contaminated with chloride or other material which may cause corrosion, the whole of the circumference of the contaminated reinforcement shall be cleaned in accordance with BS EN 1504-10 Clause 7.3.2 (e).

Mixing

Use a forced action mixer or a MR4-120B paddle with a high powered low speed drill. Mix 20kg of **webercem bondcoat** with 8 litres of clean water by adding the **webercem bondcoat** powder to water and stirring continuously to a brushable slurry consistency.

For small quantities mix 2½ parts **webercem bondcoat** with 1 part clean water by volume. Use a palette knife or a rigid flat stick and mix to a creamy consistency. The ideal mix should allow a stipple finish.

If the mix stiffens too quickly, it can be remixed easily with no more water. **Extra water should not be added**.

Application

To steel reinforcement

Using a stiff bristle brush, apply one full unbroken coat of **webercem bondcoat** to the steel, ensuring that the backs of the reinforcing bars are fully coated with at least a 2mm thickness of the **webercem bondcoat**.

To damp concrete substrate

Apply **webercem bondcoat** to an area that can be overlaid with the appropriate HB mortar within 20 minutes.

Apply immediately after mixing to the prepared concrete surface.

Use a stiff brush to scrub the slurry well into the surface. Stipple finish the applied slurry coat. Overcoat the steel if it has been used as a holding primer.

Place the mortar onto the slurry while it is tacky. In hot weather the slurry will dry quickly once it is applied (ie within 15 minutes) and it is prudent to mix the mortar first ready for application.

Packaging

webercem bondcoat is supplied in 20kg bags.

Yield

20kg will cover approximately 5 to 8m² depending on surface profile/texture.

Yield is approx. 16.5 litres.

Storage and shelf life

Shelf life is 12 months from date of manufacture if stored properly in unopened and undamaged packaging in dry conditions within the temperature range 5°C to 25°C.
If stored at higher temperatures and high humidity, the shelf life will be reduced. Use within 3 days once the bags are opened.

Protect from frost.

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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