webercem bondcoat

Polymer-modified cementitious bonder for repair mortars

- For bonding of Weber repair mortars
- Contains fibres for improved application
- Multi-purpose primer for both steel and concrete

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 R4 duo** and **webercem HB30** mortars.

Features and benefits

- Contains fibres for improved thixotropy
- Cementitious, contains no solvents
- Single-component; simply mix with water

Uses

Bonding primer for the following repair mortars:

- **webercem R4 duo**
- **webercem HB30**

BRUSH APPLICATION

CONTAINS FIBRES

OPEN TIME

Preparation

Concrete substrates

Concrete substrates must be adequately prepared by use of scabbling, needle gunning or other means, as appropriate. Oil and grease must be removed by suitable means. Any contaminated concrete must be removed. All damaged concrete should be cut back to a sound surface and at least 15 mm 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 prepared in accordance with BS EN 1504-10 immediately prior to bonding.

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 MR4-120B paddle with a high powered low speed drill. Mix 20 kg 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 2 mm thickness of the **webercem bondcoat.**

To damp concrete substrate

Apply **webercem bondcoat** to an area that can be overlaid with the appropriate repair 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. Ensure steel is fully covered with a pinhole free finish.

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

Packaging

webercem bondcoat is supplied in 20 kg bags.

Yield

20 kg will cover approximately 8 m^2 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.

Protect from frost.

Health and safety

For further information, please request the Material Safety Data Sheet for this product.

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Technical data

Performance characteristic	Method	Result
Chloride ion content	EN 1015-17	<0.05%
Adhesive bond	EN 1542	>2.0 MPa
Thermal compatibility Part 1 Freeze-thaw	EN 13687-1	>2.0 MPa
Reaction to fire	EN 13501-1	Class E
Mixed density	1670 kg/m^3	
Typical coating thickness 1–2 mm	1-2 mm	
Pot life	20-30 minutes at 21°C	

The results given above were determined through laboratory testing. Field results may vary due to circumstances outside our control. All tests carried out at max. water addition.

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

+44 (0) 1525 718877
technical@netweber.co.uk
www.uk.weber
@SGWeberUK

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