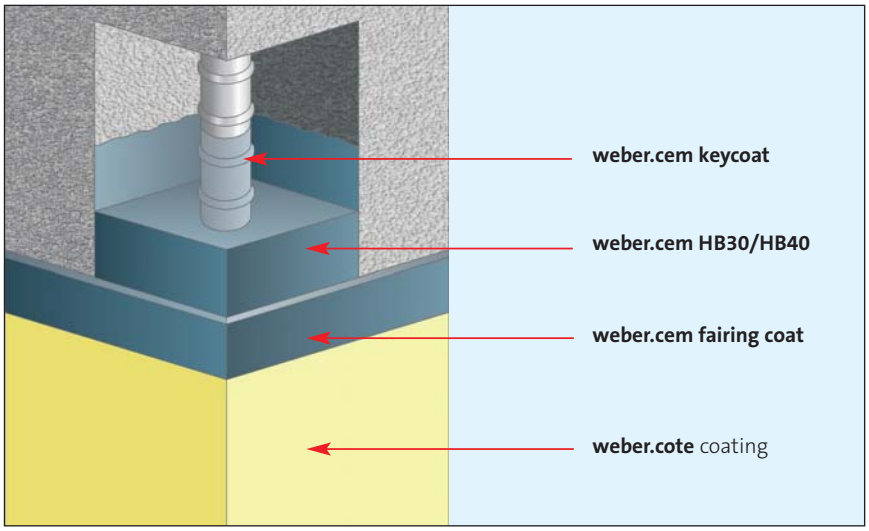
BBA-approved concrete repair system

weber.cem concrete repair system

mulsifix concrete repair system



Uses

- For the repair and protection of untrafficked reinforced concrete to:

  Building structures

  Highway structures

About this product

The **weber.cem concrete repair system** is a pre-batched, multi component system based on polymer-modified Portland cement mortars and coatings based on acrylic resins.

The components of this System have been specially formulated to comply with the requirements of BS EN 1504 parts 2 and 3 for protective coatings and concrete repair mortars.

Features and benefits

- **weber.cem system** is BBA Agrément approved (certificate No 91/2617)
- **weber.cem system** contains products for priming, high-build repair, levelling treatments and high-performance coatings
- The components of this system have been specially formulated to comply with the requirements of BS EN 1504 parts 2 and 3 for protective coatings and concrete repair mortars
- **weber.cem system** has a proven track record demonstrating its performance
- Re-introduces alkalinity to reinforced concrete repair areas
- Increases durability of reinforced concrete against carbonation and chloride ingress
- **weber.cem keycoat** contains migrating corrosion inhibitors to protect areas surrounding reinforced concrete patch repairs

System components

		Page in Construction Solutions Handbook
Bonding agents	weber.cem keycoat	156
Polymer-modified mortars	weber.cem HB30	158
	weber.cem HB40	160
Levelling mortars	weber.cem fairing coat	166
Performance coatings	weber.cote clear	206
	weber.cote smooth	206
	weber.cote EC	208
Associated products	weber.cote primer	210
	weber.tec latex*	286
	weber.tec guard MCI*	222

Note: *These products do not form part of the BBA approval certificate

FM 1209

weber.cem concrete repair system

weber.cem keycoat

A single-component, polymer-modified, corrosion-inhibiting bonding primer for parent concrete and steel reinforcement.

Once mixed with water the product is brush applied to the substrate prior to the application of **weber.cem** repair mortars.

Supplied in 25 kg bags.

weber.cem HB30 and HB40

Single-component, high-build polymer-modified repair mortars for replacing defective concrete.

Once mixed with water, each product can be applied by hand by compacting on to tacky **weber.cem keycoat** and finished with a wooden or plastic float.

Supplied in 20 kg bags.

weber.cem fairing coat

A single-component, polymer-modified levelling mortar used to prevent ghosting of concrete repairs through decorative finishes.

Once mixed with water, the product is applied by hawk and trowel and finished with a damp sponge.

Supplied in 25 kg bags.

weber.cote coatings

Single-component, acrylic anti-carbonation coatings for the long term protection of existing concrete and new repairs.

Available in clear, pigmented smooth, and elastomeric versions.

weber.cote coatings are applied by brush, roller or airless spray in two coats. If stabilisation of the concrete is required prior to application, the surface should be treated using **weber.cote primer**.

Supplied in 15 litre pails

Yield

weber.cem keycoat
Coverage is approximately 1 kg per m^2.

weber.cem HB30
Yield is approximately 16 litres per 20 kg bag or 0.5 m^2 at 30 mm thickness.

weber.cem HB40
Yield is approximately 16 litres per 20 kg bag or 0.5 m^2 at 30 mm thickness.

weber.cem fairing coat
Yield is approximately 13 litres per 25 kg bag depending on water addition. This equates to approximately 6.5 m^2 per bag at 2 mm thickness.

weber.cote coatings
The coverage of **weber.cote** coatings will vary depending on the type of substrate and the surface porosity. The following is a guide for brush or roller application on to smooth surfaces.

Product	Coverage
clear	4 to 6 m^2/litre/coat
smooth	8 to 10 m^2/litre/coat
EC	2 to 2.5 m^2/litre/coat
weber.cote primer	7 to 10 m^2/litre/coat

Health and safety

weber.cem powder materials
(**keycoat, HB30/40, fairing coat**)
Contain cement. (Contain 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,

weber.cote coatings and weber.cote primer
Essentially non-hazardous.
These are difficult to remove when set. Therefore, although essentially non-hazardous, they should not be allowed to come in contact with skin. Operatives are advised to wear, protective clothing and gloves. The coatings can be used in confined spaces but ventilation is essential to avoid prolonged drying. If product enters the eyes, wash immediately with copious amounts of clean water and if discomfort continues seek rnedical advice.

For further details on safe handling, please refer to the relevant Material Safety Data Sheet.

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
Fax: (01525) 718988

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
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