

Protective and anti-carbonation coatings

webercote smooth



Uses

- **webercote coatings** can be applied to most building materials, e.g.
 - concrete
 - blockwork
 - masonry
 - renders
- They are not recommended for common Fletton brickwork
- **webercote smooth** may be applied to brickwork for decorative purposes

About this product

The **webercote smooth** coating system provides excellent anti-carbonation protection with a minimum 15 years life expectancy. **webercote smooth** is both protective and decorative.

The system can be applied by brush, roller or spray.

This product has been formulated to comply with the requirements of BS EN 1504-2.

Features and benefits

- ▲ Excellent anti-carbonation coatings
- ▲ Durable – life expectancy in excess of 15 years
- ▲ Resistant to chloride ion ingress
- ▲ Coatings allow vapour diffusion
- ▲ This product has been formulated to comply with the requirements of BS EN 1504-2

Technical data

Anti-carbonation test results

The permeability values μ CO₂ are:

webercote smooth*	2.07 x 10 ⁶
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The μ CO₂ for good quality concrete is 400.

To protect concrete from carbonation, these coatings should be applied to clean, dry, sound substrates in a minimum two coat application to give a pinhole free surface. Porous or friable substrates should be treated with one coat of **webercote primer** prior to coating.

Water vapour diffusion

Both coatings are breathable, allowing moisture within the substrate to escape. Equivalent air layer thickness (max. 4 metres Klopfer)

webercote smooth	0.9 m
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*After 2000 hours weathering

Colours

webercote smooth is available in four standard colours. Specifiers should obtain samples prior to specification.

EU VOC regulations 2008

EU limit for webercote smooth (cat A/c): 75 g/l (2007)/40 g/l (2010). **webercote smooth** contains <35 g/l VOC.

Constraints

Not to be used in buildings that are subject to fire regulations

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Preparation

If considered necessary, substrates should be primed with **webercote primer**.

New surfaces should be clean, sound and dry. Concrete must be free of coatings or mould oil and any laitance should be removed, following which the surface can be primed with **webercote primer**.

Old surfaces must also be clean, sound and dry. Glossy surfaces should be roughened to provide a key. Lichen, moss or fungal growth must be removed and the areas treated with **weber CL150** applied in accordance with the instructions on the data sheet*.

Chalky or friable surfaces, or previously decorated surfaces which are flaking, should be wire-brushed to remove loose materials and then stabilised by one coat of **webercote primer**.

* Full data sheet available from **Weber** on request.

Application

For complete protection, a two-coat application by brush, roller or spray is recommended.

Apply **webercote smooth** at a minimum of 150 µm wet film thickness per coat.

Depending on drying conditions and surface suction, the **webercote smooth** coating may be given a second coat in as little as 2 to 4 hours.

Do not apply below 4°C, when frost is expected or during rainfall.

Coverage

Coverage will depend on type of surface and porosity. The following is a guide for brush or roller application.

For major contracts, we suggest a site trial is carried out to determine actual coverages. **Figures below are m² per litre per coat.**

	Smooth surface	Medium roughness	Rough-cast
webercote smooth	8 to 10	7 to 8	5 to 6
webercote primer	7 to 10	5 to 7	4 to 5

webercote coatings should be applied in two coats for full anti-carbonation protection to concrete.

For spray application allow 10 – 15% extra material.

Packaging

All **webercote** coatings are supplied in pails containing 9 litres of material. **webercote primer** is supplied in 5 litre plastic containers.

Health and safety

Essentially non-hazardous.

Not harmful during normal use. After contact with skin, wash immediately with plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of the reach of children.

Not be used where fire performance is required

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

Storage and shelf life

Protect from frost. Store in clean, dry conditions between 5°C and 30°C. When stored in correct conditions a shelf life of 2 years can be expected.

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 718877
e-mail technical@netweber.co.uk

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.

UK and Ireland
Tel: 01525 718877
e-mail sales@netweber.co.uk

Saint-Gobain Weber
Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK
Tel: 01525 718877 e-mail: mail@netweber.co.uk www.uk.weber

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