

A ready-mixed, under-tile tanking system to protect water-sensitive substrates from exposure to water

weber.sys protec

fermasec


Uses

For protecting walls and floors that are sensitive to water in:

- Humid areas such as sanitary blocks, showers and kitchens

Constraints

Not suitable for waterproofing exterior building walls, industrial floors or unstable surfaces.

Not suitable for tanking areas that are continually immersed, such as ponds and pools.

Not suitable for waterproofing roofs and terraces.

Not resistant to pressuring washing on some substrates.

About this product

weber.sys protec is a ready-mixed, under-tile tanking system to protect water sensitive substrates from exposure to water.

Technical data

Physical properties

Description	Blue aqueous paste
Relative density	1.5
Coverage	Approx. 0.8 kg/m ²
Drying time between coats	2 – 4 hours
Drying time for fixing tiles	At least 12 hours

Performance:

Initial adhesion	≥1.5 N/mm ²
Adhesion after immersion	≥1.2 N/mm ²
Elongation at break	200%
Water permeability	0

Note: these values were obtained under lab conditions and may be significantly different under site conditions.

Features and benefits

- ▲ Protects water-sensitive substrates such as wood, plaster etc.
- ▲ Ready to use – no mixing required
- ▲ Easy to use – apply with a roller
- ▲ Supplied in shower-sized kit and trade pack

weber.sys protec

Preparation

Ensure that all surfaces are clean, completely dry, sound and free from dust grease or any other contaminating barrier. Any joints between wood panels must be fully supported to prevent movement.

Any existing covering must be sound and capable of supporting the expected load. Scrape off any flaking paint and replace any hollow sounding tiles. Emulsion paint is not suitable. Wash off any traces of maintenance products (wax etc.) or grease and allow to dry.

Prime porous surfaces, such as plaster or cement, with **weber PR360** and allow to dry for 2 hours. Prime non-porous surfaces such as existing tiles or paint, and wood with **weber PR301** and allow to dry for 1 to 3 hours (must still be tacky).

Application

Do not apply if the temperature is outside of the range +5°C to +35°C and do not apply to frozen, thawing or hot substrates or in direct sunlight.

Ensure that any concealed underfloor heating system is turned off and that the floor is cool.

Apply a coat of **weber.sys protec** with a flat brush to corners, angles, around protruding pipes, into small cracks (must be stable and less than 2 mm wide) and along the joints between wooden panels.

Place strips of **BE14** Joint Reinforcing Tape along the angles and cut to size with scissors so that all lengths fit tightly into any corners.

Reinforce around protruding pipes by cutting a star opening in a suitable length of tape, pushing the patch over the pipe and bedding it into the **weber.sys protec** tightly around the pipe.

Taking care not to damage the tape, work it into the **weber.sys protec** and smooth down with a flat trowel.

Do not butt-joint or cut the tape short at corners. Overlap joints and all layers at corners bedding into **weber.sys protec**.

Generously apply the first coat of **weber.sys protec** to the area with a roller using around 0.4 kg/m².

As soon as the first coat is dry, apply a second coat, rolling in a direction 90° to the first coat, to obtain an overall film around 1 mm thick. Wash tools in water immediately after use.

Allow to dry for at least 12 hours, or until the **weber.sys protec** is no longer tacky, before fixing the tiles with **weber.set SPF** or **weber.set rapid SPF**. When the adhesive has fully set, grout the joints with an appropriate grout. Fill the joints around the perimeters with **weber SL450** or **stoneset flexible NC sealant**.

Packaging

weber.sys protec is supplied in 7 kg plastic buckets.

BE14 joint reinforcing tape is supplied in 10 m rolls.

weber.sys protec is also available as a 5 kg kit comprising:

1 kg **weber PR360**
4 kg **weber.sys protec**
5 m **BE14** tape

Coverage

Up to 0.4 kg per coat per m², depending on the porosity of the substrate.

Storage and shelf life

When stored airtight in a cool, dry place at temperatures above 5°C and protected from frost, shelf life is 12 months from date of manufacture.

Health and safety

Essentially not 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.

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: (01525) 722137

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
Tel: (01525) 722100
Fax: (01525) 718988

Saint-Gobain Weber Ltd
Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK
Tel: 08703 330070 Fax: (01525) 718988 e-mail: mail@weberbuildingsolutions.co.uk

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