

A rapid-setting, flexible, cement-based floor and wall tile adhesive, available in grey and white for interior and exterior use

weber set trade S1



Uses

For fixing ceramic, porcelain and natural stone tiles:

- Walls and floors
- Interior and exterior
- Heated screeds
- Overboarded wooden floors
- Low porosity tiles or substrates
- Tiling onto existing tiles

Constraints

Not recommended for tiling onto single layer wooden floors, e.g. chipboard, tongued and grooved timber.

Not recommended for tiles with resin backs. Please contact technical services for application advice.

About this product

weber set trade S1 is a rapid-setting, flexible, cement-based floor and wall tile adhesive, available in grey or white for interior and exterior use.

It is used to fix all ceramic floor and wall tiles, mosaic, quarry, terrazzo, terracotta, porcelain and natural stone in situations where some movement or vibration is likely.

Features and benefits

- ▲ Manufactured under BSI Quality Assurance Scheme ISO 9001
- ▲ Can be used as a pourable adhesive
- ▲ Suitable for wooden floors overboarded with WBP plywood or suitable tile backer board
- ▲ Particularly suitable for situations where some movement or vibration is likely or when tiles are very large
- ▲ Ready for light foot traffic and grouting after 2 hours
- ▲ Available in grey and white

Technical data

Exceeds the requirements of BS EN 12004 for C2FT-S1

Bed thickness	3 – 6mm (may be exceeded in small areas only)
Coverage (approx.)	9 kg/m ² (solid bed, 6 mm thick) 4.5 kg/m ² (solid bed, 3 mm thick) 3.0 kg/m ² (using a notched trowel with 6 x 6 mm notches at 12 mm centres)
Open time	10 minutes
Working time (pot life)	30 minutes
Set time	2 hours – light foot traffic, full load after 24 hours
Temperature resistance	–10°C to 100°C and frost resistant when set
Water addition	5 litres per 20 kg for use as a pourable adhesive 4 litres per 20 kg for normal floor tiling 3.4 litres per 20 kg for non-slip wall tiling
Particle size	Up to approx. 0.5 mm

Note: setting times are quoted at 20°C and are temperature and humidity dependent

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Preparation

Ensure that all surfaces are clean, dry, sound and free from dust, grease or any contaminating barrier.

Make good any unsound areas and remove flaky or peeling layers before tiling. Porous or dusty surfaces should be primed using a suitable primer and allowed to dry.

Check before use that the colour of the adhesive does not cause staining or discolouration of light coloured or translucent tiles.

Mixing

Gradually add approximately 4 parts of powder to 1 part of clean water (measured by volume), and mix to a smooth, workable, stiff paste (non-slip wall tiling requires 3.4 litres of water per 20 kg of adhesive and for floor tiling, 4 to 5 litres).

Use within 30 minutes of mixing. Do not attempt to extend the pot life by adding more water to the mix.

Application

Do not use at temperatures below 5°C. Apply the adhesive onto the substrate covering up to 1 m² at a time (or no more than can be tiled within 10 minutes). When using as a pourable adhesive, pour onto the floor and spread with a solid bed trowel. Use a suitable notched trowel to achieve a bed thickness of 3 to 6 mm. Tiles with studded backs may need to have adhesive buttered onto the tile back as well.

Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure a good contact. It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved. In wet areas, external areas and all floors, the final adhesive bed should be free from voids. Leave appropriate clearance joints for grouting and make any adjustments within 10 min.

Carefully clean off any excess adhesive with a damp cloth or sponge from the tiles and joints before it sets.

Leave for at least 2 hours before grouting. Longer is required at lower temperatures or when tiling onto impervious or sealed surfaces. For swimming pools, leave at least 3 days before grouting and then a further 3 weeks before filling.

Brick and blockwork

Allow at least 6 weeks before tiling. Lightweight blocks need priming. Ensure that the wall face is sufficiently flat.

Cement/sand render or screed

Allow at least 3 weeks for screed and 2 weeks for render before tiling. Priming with **weber PR360** may be required if the surface is very dusty or porous.

Concrete

Allow at least 7 weeks before tiling onto new concrete. Surface should be clean and free from laitance – scabbling is recommended.

Existing ceramic/vinyl tiles

Ensure that the substrate is strong enough to take the weight of extra tiling, that the existing tiles are firmly adhered and that the surface is free from any wax, polish or detergent.

Plaster walls and anhydrite screeds

Leave plaster for at least 4 weeks before tiling. Ensure anhydrite screeds are fully dry (moisture content <0.5%). It is important that the surface is abraded and sealed by repeatedly coating with **weber PR360** until the surface stops absorbing.

Underfloor heating/undertile warming

The heating must be off and should be turned on gradually at least 5 days after tiling.

Wallboards; fibre/cement, plasterboard, MDF

Ensure boards are rigidly supported, clean, dry and free from dust. Plasterboard should be thoroughly primed with **weber PR360** until the surface stops absorbing.

Wooden floors

Ensure the floor is rigid and capable of supporting the expected load with minimal deflection. Brace any areas that need extra support with noggins between the joists.

New WBP plywood floors should be a minimum of 18 mm thick and all joints must be adequately supported.

Tongued and grooved timber and chipboard must be over-boarded. Existing boards should be screwed down to joists with 2 screws at each end and another 2 wherever they cross joists/noggins. For small floors with no noticeable deflection 9 mm plywood or suitable tile backer board can be used to provide a smooth surface to tile. If there is some limited deflection, a minimum of 15 mm WBP plywood or equivalent tile backer board should be used to increase the rigidity of the floor. If there is still noticeable movement in the floor, another layer of plywood or tile backer board may be needed. New plywood boards should be primed on the reverse face and edges with **weber PR360** and screwed down every 200 – 300 mm. Slight gaps should be left between boards and at the perimeter for expansion. These should be filled with **weberjoint silicone** sealant.

Allowance for movement

Flexible joints should be incorporated to allow for slight movements due to changes in temperature, humidity etc. as indicated by BS 5385:

- where the tiling meets other materials (e.g. floor perimeters)
- along all internal corners – vertically and horizontally
- over existing movement joints or changes in background material
- dividing large tiled areas into bays (every 3 – 4.5 m on walls, 8 – 10 m on floors)

Packaging and coverage

Packed in 20 kg plastic lined paper sacks.

Coverage is approximately 1.5 kg of powder per m² for every 1 mm of bed thickness.

Storage and shelf life

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

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.

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
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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

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