

A flexible, cement-based polymer-modified tile adhesive for internal and external use

weber.set SPF

SP adhesive



About this product

A flexible, cement based tile adhesive for internal and external use. It is suitable for fixing all types of ceramic wall and floor tiles, mosaics, marble, terrazzo, natural stone, brick slips and glass blocks in areas that will be dry or wet, including swimming pools.

It is particularly suited for situations where some movement, deflection or limited shrinkage is likely.

Available in grey or white.

Technical data

Exceeds the requirements of BS EN 12004 for C2-S1

Bed thickness	3 – 6 mm (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	20 minutes
Working time (pot life)	1 hour after mixing
Set time	24 hours – light foot traffic, full load after 48 hours
Temperature resistance	–10°C to 100°C and frost resistant when set
Water addition	4 litres per 20 kg
Particle size	Up to approx. 0.5 mm

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

Uses

For fixing ceramic or porcelain tiles:

- Walls and floors
- Interior and exterior situations
- Underfloor heating
- Undertile warming
- Overboarded wooden floors
- Low porosity tiles or substrates
- Power-floated screeds
- Tiling onto existing tiles
- Swimming pools

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.

Features and benefits

- ▲ Manufactured under BSI Quality Assurance Scheme ISO 9001
- ▲ Gives improved adhesion for fully vitrified tiles
- ▲ Particularly suitable for situations where some movement or vibration is likely, or when tiles are very large
- ▲ Ideal for tiling on to low porosity substrates
- ▲ Suitable for use in dry and wet conditions
- ▲ Available in grey or white
- ▲ Long working time for difficult layouts

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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.

Prime porous or dusty surfaces. **weber PR370** is normally recommended for most walls in dry areas. **weber AD250** is recommended for wood, wet areas and floors. Allow the primer 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 3.5 parts of powder to 1 part of clean water (measured by volume), and mix to a smooth, workable, stiff paste. Normal usage requires 4 litres of water per 20 kg adhesive.

Use within 60 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 20 minutes). Use a suitable notched trowel to achieve a bed thickness of 3 to 6 mm. Large or studded backed tiles 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 adjustment within 10 minutes.

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

Leave for at least 24 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 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. Set time will be extended on dense or power floated screeds.

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 or polish. Set time will be extended.

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 sealed by repeatedly coating with primer until the surface stops absorbing. For walls in dry areas use **weber PR370** otherwise use **weber AD250** or **weber PR360**.

Underfloor heating/undertile warming

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

Wallboards; fibre/cement, plywood, plasterboard, MDF

The board must be securely braced and fixed with screws at least every 300 mm. Prime the reverse face and edges of plywood with **weber AD250** before fixing.

Wooden floors

Ensure the floor is rigid and strong enough to support the expected load with only minimal deflection. Tongued and grooved timber and chipboard must be overboarded with exterior grade plywood at least 15 mm thick. Plywood floors should be at least 18 mm thick and all joints must be supported. New boards should be primed on the reverse face and edges. All boards must be screwed down every 300 mm.

Allowance for movement

Flexible joints should be incorporated to allow for slight movements due to changes in temperature, humidity etc. as indicated by BS5385:

- 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

Packed in plastic lined paper sacks.
Grey: 20 kg, White: 20 kg.

Coverage

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.

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

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
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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.

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