

weberset rapid SPF

A rapid-setting, S1 flexible, low-dust, cement-based floor and wall tile adhesive, for internal and external use

- Suitable for use with underfloor heating
- For substrates subject to movement or expansion
- High grab — non-slip for walls and floors

About this product

weberset rapid SPF is a rapid-setting, S1 flexible, low-dust, cement-based floor and wall tile adhesive, available in light 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

- Can be used as a pourable adhesive
- Suitable for wooden floors overboarded with WBP plywood or suitable tile backer board
- Low Dust Technology™ makes it more comfortable to use and reduces cleaning time
- 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 light grey and white

Uses

For fixing ceramic, porcelain and natural stone tiles:

- Walls and floors
- Internal and external application
- Heated screeds
- Overboarded wooden floors
- Low porosity tiles or substrates
- Tiling onto existing tiles



SUITABLE FOR
USE WITH UNDER
FLOOR HEATING



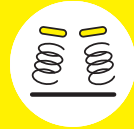
REDUCED CO2



RAPID SET



LOW DUST
TECHNOLOGY™



S1
DEFORMABLE



ADD WATER



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.

For installation recommendations, including maximum weights and heights (3 metres or above) on substrates, please refer to the relevant BS 5385.

Preparation

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

Prime porous or dusty surfaces. **weber PR360** 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 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 20kg 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

Only apply at 5°C and rising.

Apply the adhesive onto the substrate covering up to 1m² 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 6mm. 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 minutes.

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

Leave for a minimum of 2 hours before grouting. Longer is required at lower temperatures or when tiling onto impervious or sealed surfaces.

Brick and blockwork

Allow a minimum of 6 weeks before tiling. Lightweight blocks need priming. Ensure that the wall face is sufficiently flat.

Cement/sand render or screed

Typically allow a minimum of 3 weeks for screed and 2 weeks for render before tiling. Ensure the screed or render is suitably dry before applying. Priming with **weber PR360** may be required if the surface is very dusty or porous.

Concrete (in situ)

Allow a minimum of 7 weeks before tiling onto new concrete. Surface should be clean and free from laitance - scabbling is recommended.

Existing ceramic

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

Plaster walls & anydrite screeds

Leave plaster a minimum of 4 weeks before tiling. Ensure anhydrite screeds are fully dry (moisture content <0.5%). Ensure that the plastered walls can sustain the weight of the tiles. It is important that the surface is abraided 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 a minimum of 5 days after tiling.

Wallboards; fibre/cement, suitable plasterboard

Ensure boards are rigidly supported, clean, dry and free from dust.

Plasterboard should be thoroughly primed with **weber PR360** until the surface stops absorbing. Prime the reverse face and edges of plywood with **weber PR360** before fixing.

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 18mm 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 9mm 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 15mm 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 200-300mm. Slight gaps should be left between boards and at the perimeter for expansion. These should be filled with **weber silicone sealant**.

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Swimming pools (domestic)

In accordance with BS 5385-4, **weber set rapid SPF** is suitable for use in swimming pools that contain water, chlorinated water or seawater. Leave a minimum of 3 days before grouting and then a further 3 weeks before filling.

In accordance with EN 12004, **weber set rapid SPF** has been tested and passed the following requirements for swimming pools:

- Tensile adhesion after water immersion
- Tensile adhesion after heat ageing (70°C)
- Tensile adhesion after freeze-thaw cycles

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 3–4.5m on walls, 8–10m on floors)

Packaging

Packed in 20kg plastic lined paper sacks.

Coverage

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

Storage and shelf-life

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

Health and safety

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

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.)	9kg/m ² (solid bed, 6mm thick) 4.5kg/m ² (solid bed, 3mm thick) 3.0kg/m ² (using a notched trowel with 6 x 6 mm notches at 12mm 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 20kg for use as a pourable adhesive 4 litres per 20kg for normal floor tiling 3.4 litres per 20kg for non-slip wall tiling
Particle size	Up to approx. 0.5mm

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

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