

A rapid-setting tile adhesive for low-porosity tiles and substrates

## weber.set rapid plus



### Uses

For fixing ceramic, porcelain and natural stone tiles:

- Walls and floors
- Interior and exterior situations
- Heated floors
- Low porosity tiles or substrates
- Power-floated screeds
- Tiling onto existing tiles

### Constraints

**weber AD250** admixture is required when fixing tiles to wooden substrates.

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

### About this product

**weber.set rapid plus** is a rapid-setting cement-based polymer-modified adhesive for fixing porcelain, ceramic, quarry, terrazzo, terracotta and natural stone to rigid interior and exterior floors and walls.

It is available in grey and white.

### Technical data

Exceeds the requirements of BS EN 12004 for C2FT

Bed thickness	3 – 6 mm (may be exceeded in small areas only)
Coverage (approx.)	9 kg/m <sup>2</sup> (solid bed, 6 mm thick) 4.5 kg/m <sup>2</sup> (solid bed, 3 mm thick) 3.0 kg/m <sup>2</sup> (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
Temperature resistance	-10 to 100°C and frost resistant when set
Water addition	4.4 litres per 20 kg for floor tiling 3.8 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

### Features and benefits

- ▲ Manufactured under BSI Quality Assurance Scheme ISO 9001
- ▲ Polymer modified to provide a strong bond onto tiles with very low porosity
- ▲ For fixing onto low porosity substrates such as power floated concrete or existing ceramic or vinyl tiles
- ▲ Ready for light foot traffic and grouting after 2 hours
- ▲ Suitable for use in dry and wet conditions
- ▲ Specifically developed to allow easy bedding of large format tiles
- ▲ Very strong bond strength
- ▲ Properties can be enhanced with **weber AD250** admixture

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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 with **weber PR360**. 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 4.4 litres of water per 20 kg adhesive.

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 m<sup>2</sup> at a time (or no more than can be tiled within 10 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 adjustments within 10 minutes.

Carefully clean off any excess adhesive from the tiles and joints with a damp cloth or sponge 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 with **weber PR360**. 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 (for screeds, this can be reduced by adding **weber AD250** to the mix). 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. Surface scabbling is recommended.

### Existing ceramics/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 sealed by repeatedly coating with **weber PR360** until the surface stops absorbing.

### Wallboards: fibre/cement, plasterboard, plywood

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

Prime the reverse face and edges of plywood with **weber PR360** before fixing and include **weber AD250** in the mix.

### Wooden floors

Ensure the floor is rigid and strong enough to support the expected load with only minimum deflection and use **weber AD250** in the mix. Non 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 with **weber PR360** and screwed down every 300 mm.

### Underfloor heating/undertile warming on solid substrates

The heating must be off and should be turned on gradually at least 5 days after tiling. If the substrate is timber it must be overboarded and **weber AD250** used in the mix.

### 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 20 kg plastic lined paper sacks.

## Coverage

Coverage is approximately 1.5 kg of powder per m<sup>2</sup> 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) 722137  
Fax: (01525) 718988

## 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

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