

A flexible, thick-bed tile adhesive for interior and exterior use

weber.set thick bed



About this product

A standard-setting, flexible, thick-bed, cement-based floor and wall tile adhesive, available in grey and white for interior and exterior use. It is particularly suited where a deep bed is required when natural stone is of irregular thickness.

It is used to fix all natural stone, porcelain, ceramic, mosaic and terrazzo tiles.

Technical data

Exceeds the requirements of a BS EN 12004 for C2T

Bed thickness	3 – 25 mm
Coverage (approx.)	7.5 kg/m ² (solid bed, average thickness 5 mm) 15 kg/m ² (solid bed, average thickness 10 mm) 22.5 kg/m ² (solid bed, average thickness 15 mm) 37.5 kg/m ² (solid bed, average thickness 25 mm)
Open time	20 minutes
Working time (pot life)	2 – 3 hours
Set time	24 hours – light foot traffic, full load 48 hours
Temperature resistance	–10°C to 100°C and frost resistant when set
Particle size	Up to approx. 0.5 mm
Water addition	4 litres per 20 kg

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

Uses

For fixing ceramic, porcelain and natural stone tiles:

- Walls and floors
- Interior and exterior situations
- Where a deep adhesive bed is required, particularly with uncalibrated natural stone
- With underfloor heating/undertile warming
- Overboarded wooden floors

Constraints

Not recommended for fixing 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
- ▲ Excellent anti-slump characteristics with a build up to 25 mm depth
- ▲ Long working time for difficult layouts
- ▲ Gives enhanced adhesion to low porosity substrates
- ▲ Limited flexibility to cope with differential movement between large stones and substrate
- ▲ Suitable for use in dry or wet conditions
- ▲ Available in grey or white

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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. Normal usage requires 4 litres of water per 20 kg adhesive.

Use within 2 – 3 hours 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 at least 3 mm. Large or uncalibrated tiles will need to have adhesive buttered onto the tile back as well.

Bed the tiles firmly into the adhesive 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. 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 at least 24 hours before grouting. Longer is required at lower temperatures or when tiling onto impervious or sealed surfaces.

Cement/sand screed

Allow at least 3 weeks 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 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.

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. These sizes may need to be increased for thicker stones. New boards should be primed on the reverse face and edges with **weber AD250**. 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.

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. For UK sales enquiries and overseas projects, contact **Weber's** Sales office.

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