

WB16 Ceramic & Porcelain

24 hr advanced adhesive for all types of tiles

WB16 Ceramic & Porcelain is a cement-based, thick and thin (3-6mm) bed tile adhesive for the fixing of ceramic and porcelain tiles to walls and floors. Produced from carefully selected raw materials for consistency of product, it only requires the addition of water on site.

Performance

BETTER QUALITY BETTER
ECONOMIC VALUE



Easy to apply



Environmentally
Friendly



Certified





USES

WB16 Ceramic & Porcelain is suitable for fixing ceramic and porcelain tiles to cement plaster, screeds, concrete and other pre-primed surfaces.

- Suitable for interior and exterior use
- Suitable for use on walls and floors
- Note: Replace water in mix with **Bond-It** for all exterior and 'wet' areas i.e. Showers and areas exposed to large changes in temperature (bathrooms, kitchen areas)

SUITABLE SURFACES

WB16 Ceramic & Porcelain is suitable for use on surfaces like:

- Cement-based plaster
- Cement screeds
- Concrete surfaces
- Primed fibre-cement surfaces

SURFACE PREPARATION

The following minimum curing periods should be observed before tiling commences:

- New concrete floors: 28 days
- New screeds: 28 days
- New brick walls: 28 days
- New cement plaster: 28 days

The walls or floors to be tiled must be wood-floated and not steel-trowelled or power-floated. Ensure that all surfaces are clean, dry, sound and free from dust, grease or any contamination that could impair bonding. Make good any unsound areas and remove flaky or peeling layers before tiling. Organic growth must be removed and the spores killed using household bleach. PVA paint and gypsum plaster must be chipped to expose 80% of the surface.

Enamel paint and bitumen should be scraped and chipped to expose 80% of the substrate. Do not use a solvent or heat to remove bitumen from the surface. Existing tiles must be thoroughly cleaned using a suitable cleaner. Rinse well with cold water. Smooth-, off, or power floated cement surfaces to be acid washed to remove laitance. Rinse well with cold water. Once the surface preparation has been completed on the above problem surfaces, the area must be primed using a mix of 2 volumes of **weber.prim Plaskey WB250** and 1 volume of **weber.ad Key-it WB117**.

MIXING

- Combine a 20 kg bag of **WB 16 Ceramic & Porcelain** with **5 litres** of clean water and stir until completely free of lumps.
- In wet or permanently wet conditions, replace the water in the mix with **weber.ad Bond-it WB183**.
- Allow the mixture to mature for 5 minutes and re-mix thoroughly. The consistency can be adjusted by adding a small amount of water.
- Do not add too much water or attempt to extend the working time by adding more water as this will cause the adhesive to be weak with a tendency to crumble.
- Do not mix more adhesive than can be applied within 8 hours.

APPLICATION

Spread adhesive using a notched trowel to a minimum bedded thickness of 3 mm on walls and 6 mm on floors. Heavily lugged, grooved or dovetailed tiles must be buttered to fill any voids with adhesive before placing into wet adhesive. Press tiles firmly into wet adhesive with a twisting action. Use a rubber mallet to bed large or heavy tiles. Occasionally lift a tile to check that full contact is being made between the tile and the adhesive. Do not butt joint tiles. Clean excess adhesive off the surface once tiles are firmly set using a damp sponge. Once the adhesive has hardened, only mechanical removal is possible. Minimum grouting joints for walls is 2 mm and 3 mm for floors. Adhesive must be allowed to dry for 24 hours before grouting commences.

GROUTING

Ensure that the joints are free from tile adhesive and any other foreign matter. Allow 24 hours before grouting with **weber.grout Tile Grout WB33**. Allow 48 hours for sealed or non-porous surfaces. In wet or permanently wet conditions, replace the water in the mix with **weber.ad Bond-it WB183**.

COVERAGE

Depending on the nature and evenness of the surface and method of application, coverage is approximately 6 m² per 20 kg bag when applied using a 6 mm notched trowel (wall tiling) and 4 m² per 20 kg bag when applied when using a 10 mm notched trowel (floor tiling) ie: based on a level/even floor.

PACKAGING

WB16 Ceramic & Porcelain is supplied in 20 kg bags.

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.

SAFETY INSTRUCTIONS

Contains cement, which is alkaline when wet and can cause skin irritation. Use eye protection and gloves and avoid prolonged skin contact. Avoid inhalation of dust. Wash skin contamination away with warm soapy water. Remove splashes to the eyes by prolonged irrigation and consult a doctor. Do not ingest.

TECHNICAL DATA

Initial setting time	approximately 12 hours
Final setting time	approximately 24 hours
Correction time	approximately 20 minutes
Open time	approximately 20 minutes
Pot life	approximately 8 hours
Grouting time	approximately 24 hours
Water demand	approximately 5 litres per 20 kg
Temperature resistance	70 °C
Application temperatures	Do not apply in temperatures below 5 °C or above 30 °C

Note: all the data given was obtained at a temperature of 23°C and 50% relative humidity. **WB16 is designed to meet the following SANS 52004 related performance values.**

Reaction to fire	Class A1/A1
Initial tensile strength	> 0.5 N/mm ²
Tensile adhesion strength after heat ageing	> 0.5 N/mm ²
Tensile adhesion strength after water immersion	> 0.5 N/mm ²
Open time: tensile adhesion strength (after no less than 20 min)	> 0.5 N/mm ²

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GUARANTEE

We agree that **Weber** products meet the product specifications and will be free from any defect. Any guarantee with regard to the performance of **Weber** products will be subject to its professional and practical application of **Weber** products in accordance with our instructions and specifications.

However, we have no influence over specific site conditions and therefore, if in doubt, the user should first carry out sufficient tests to ensure that the product is suitable. In special cases, obtain advice. Should our product prove defective, we undertake to replace any defective material. This guarantee will fall away in the event of **Weber** products being contaminated by the addition of sand, cement or substance other than recommended by us.

TECHNICAL SERVICES

Weber has a team of experienced advisors available to provide technical support. Technical helpline: 08600 WEBER (93237) or visit www.za.weber.