



About this product

weber.set Mosaic-Fix is a white cement-based adhesive and grout for the fixing and grouting of mosaic. Produced from carefully selected raw materials for consistency of product, it only requires the addition of water on site.

Technical services

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

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	6.5 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.

TYLON Mosaic-fix is designed to meet the following SANS 52004 related performance values

• Reaction to fire	Class A1/A1
• Initial tensile strength	≥ 1.0 N/mm ²
• Tensile adhesion strength after heat ageing	≥ 1.0 N/mm ²
• Tensile adhesion strength after water immersion	≥ 1.0 N/mm ²
• Tensile adhesion strength after freeze/thaw	≥ 1.0 N/mm ²
• Open time: tensile adhesion strength (after no less 20 min)	≥ 0.5 N/mm ²

Packaging

weber.set Mosaic-Fix is supplied in 5 and 20 kg bags.

Use

weber.set Mosaic-Fix is used for fixing and grouting of Glass-, Porcelain-, Marble-, Ceramic mosaics.

- Suitable for fixing of mosaics in swimming pools
- Suitable for interior and exterior use
- Suitable for shower cubicles

Features and benefits

- 24-hour set
- Interior and exterior application
- Suitable for use in swimming pools and shower cubicles
- Suitable for wall and floor use
- Adhesive designed to absorb lateral movement
- Consistent quality - ISO 9001 and 14001 accredited manufacturer

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. **This coverage is reduced when weber.set Mosaic-Fix is used as an adhesive and grout in one application.**

Suitable surfaces

weber.set Mosaic-Fix is suitable for use on surfaces like:

- Cement based plaster
- Screeds and concrete
- Primed fibre cement surface
- Primed gypsum walls
- Primed timber surface
- Primed ceramic tiles
- Gunite or hand packed cement surfaces as found in the swimming pools

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 substrate.

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 using clean water. Smooth-, off form-, shutter- or power floated cement surfaces should be acid washed to remove laitance. Rinse well with clean water. Highly absorbent surfaces must be primed using a mix of 2 volumes of **weber.prim Plaskey WB250** and 1 volume **weber.ad Key-it WB117**. Apply to a thickness of approximately 2 mm using a blockbrush.

Leave to dry for 24 hours.

General

- Tiles should be installed providing for adequate movement joints. Movement and expansion joints to be provided for at approximately 3 metre centres externally or at 4 metre centres internally, in both directions or as per the engineer's specifications.
- All expansion and movement joints in the substrate must extend through the adhesive bed and tiles.
- Tiles must have full contact with the adhesive - leave no voids.

Mixing

- Combine a 20 kg bag of **weber.set Mosaic-Fix** with **6.5 litres** of clean water and mix to a creamy paste.
- 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. Do not add more water.
- When laying glass-, marble-, ceramic- or porcelain mosaic tiles, replace the water normally used in the mix with **weber.ad Bond-it WB183**.
- 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 10 mm notched trowel when using **weber.set Mosaic-Fix** as an **adhesive** and **grout**. Do not spread more adhesive than can be laid in 30 minutes. Use a 6 mm notched trowel when using **weber.set Mosaic-Fix** as a mosaic adhesive only. All expansion- and movement joints are to extend through the adhesive bed and tiling. Bed the mosaics firmly into the wet adhesive. Paper covering mosaic can be removed 1 hour after application. Occasionally lift a sheet to check that full contact is being made between the tiles and the adhesive. Clean excess adhesive off the surface once mosaics are firmly set using a damp sponge. Once the adhesive has hardened, only mechanical removal is possible. The joints must be allowed to dry for 24 hours before polishing with a clean, dry cloth.

Grouting

If **weber.set Mosaic-Fix** is not used as a grout, please 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 Bondit WB183**.

Storage and shelf life

When stored, unopened in a dry place at temperatures above 5°C, shelf life is 9 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.

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.