

# Weber Tylon® Ultra-flex 12

12 hr set adhesive  
for large format tiles

**C2TES1**  
EN12004



available in grey and white

## DESCRIPTION

**Weber Tylon® Ultra-flex 12** is a latex modified cement-based high performance adhesive for internal and external use. **Ultra-flex 12** has high strength adhesion, for adhering large tiles up to 1700 x 3600 mm.

**Ultra-flex 12** is classified as C2TES1 according to EN 12004.

**Ultra-flex 12** is a slip resistant adhesive with extended open time.

**C2TES1**

ISO 13007  
EN 12004

EN Standard



APPLICATION ON  
GYPSUM BOARD

Application on Gypsum and Boards



FOR NATURAL  
STONES

For Natural Stones



WATER FLOOR  
& ELECTRIC FLOOR  
HEATING COMPATIBLE

Water floor heating compatible

## SCOPE OF USE

**Weber Tylon® Ultra-flex 12** is used for application on all types of ceramic, porcelain, granite and natural stone tiles on the following substrates:

- Concrete and heated floors
- Lightweight brick blocks (primed with **Weber Tylon® Key-it**)
- Gypsum plastered walls (primed with **Weber Tylon® Key-it**)
- Wooden and drywalling structures (primed with **Weber Tylon® Key-it**)
- Cementitious Plaster, renders and facades
- Swimming Pools

## TECHNICAL DATA

Classification	C2TES1
Initial setting time	approximately 6 hours
Final setting time	approximately 12 hours
Open time	approximately 30 minutes
Pot life	approximately 6 hours
Grouting time	approximately 12 hours
Water demand	approximately 5 litres per 20 kg
Application temperatures Note: all the data given was obtained at a temperature of 23 °C and 50% relative humidity. <b>Ultra-flex 12</b> is designed to meet the following SANS 52004 and EN12004 related performance values.	Do not apply in temperatures below 5 °C or above 30 °C
Initial tensile strength	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after heat aging	> 1 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 1 N/mm <sup>2</sup>
Open time: tensile adhesion strength (after no less than 20 min)	> 1 N/mm <sup>2</sup>

## SURFACE PREPARATION

Substrate must be clean, free from dust and any contamination that could impair bonding. Substrate to be tiled must be clean, dry, sound and free from dust, grease or any contamination that could impair bonding. Remove flaky or peeling layers before tiling. Organic growth must be removed and the spores killed using household bleach.

PVA loose paint and gypsum plaster must be primed with **Weber Tylon® Plaskey** and **Weber Tylon® Key-it**. Enamel paint and bitumen should be scraped and chipped. Do not use a solvent or heat to remove bitumen from the surface.

## MIXING

- Combine a 20 kg bag of **Weber Tylon® Ultra-flex 12** with approximately 5 litres of clean water and mix to a creamy paste.
- Allow the mixture to mature for 5 minutes and re-mix thoroughly. The consistency can be adjusted by adding more 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 1 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 dove-tailed tiles must be back-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 12 hours before grouting commences.

## GROUTING

Ensure that the joints are free from tile adhesive and any other foreign matter. Allow 12 hours before grouting with **Weber Tile Grout**. Allow 48 hours for sealed or nonporous surfaces. In wet or permanently wet conditions, replace the water in the mix with **Weber Bond-it**.

## COVERAGE

Depending on the nature and evenness of the surface and method of application, approximately 6 m<sup>2</sup> per 20 kg bag when applied using a 6 mm notched trowel (wall tiling) and 4 m<sup>2</sup> per 20 kg bag when applied when using a 10 mm notched trowel (floor tiling) ie: based on a level/even floor.

## PACKAGING

**Weber Tylon® Ultra-flex 12** 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.

## 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](http://www.za.weber).