

weber set x'tra flex

C2TES1 Flexible Tile Adhesive for Porcelain Tiles

weber set x'tra flex is a single-component, water-resistant, cement-based adhesive for thin or thick bed applications. It is classified as a C2TES1 adhesive with high strength, extended open time, slip resistance and enhanced flexibility (deformable). Suitable for 3-6 mm bed thickness, and up to 12 mm in small isolated, uneven areas.



LEADER
SGBP 3914



PRODUCT BENEFITS



ECO FRIENDLY



HIGH STRENGTH



FLEXIBLE DEFORMABLE

USAGE

Ideal for fixing a wide range of tiles and stones, including ceramic, porcelain, vitrified, mosaics, natural stones, brick veneer, and decorative stones, on walls and floors in dry or wet, interior or exterior environments. It is not suitable for skim-coated plaster, painted, or metal surfaces. Not suitable for use on substrates subjected to strong shrinkage, movement, or vibration, or for installing moisture-sensitive materials. Suitable substrates include well-cured concrete (minimum 6 weeks), brick walls and lightweight concrete blocks (minimum 4 weeks, leveled with cement-sand mortar), autoclaved aerated concrete (AAC) blocks (primed and leveled), cement-sand render and screed (cured 2-3 weeks), existing tiles or stone surfaces (dry, sound, contaminant-free), vinyl tiles (primed), rigid building boards (primed), and strong timber floors overlaid with marine plywood.

TECHNICAL DATA & PHYSICAL PROPERTIES

| | |
|---|---|
| Colour | Grey |
| Density | Approx. 1.7 g/m ³ |
| pH | 12 |
| Dry Solid Content | 100 % |
| Bed Thickness | 3-6 mm |
| Water Demand | Approx. 24-28 % or 6-7 litres/25 kg bag |
| Adjustability Time | Approx. 20 minutes |
| Working Time (Pot Life) | Approx. 2 hours |
| Open Time @ 25°C | Approx. 30 minutes |
| (ISO 13007-2 Clause 4.1) | |
| Setting Time | Approx. 16 hours, Approx. 24 hours (Light foot traffic) |
| Application Temperature | 5-40 °C |
| Temperature Resistance | 100 °C |
| Frost Resistance | -5 °C |
| Resistance to Acids | Fair |
| Resistance to Alkalis | Excellent |
| Resistance to Oil & Solvents | Fair |
| Damp Resistance | Good |
| Transverse Deformation | S1 (>2.5 mm) |
| (ISO 13007-2 Clause 4.5) | |
| Slip Resistance | <0.5 mm |
| (ISO 13007-2 Clause 4.2) | |
| Tensile Adhesion Strength | 1.8-2.1 N/mm ² (After 28 days air cure) |
| (EN ISO 13007-2 Clause 4.4) | 1.1-1.3 N/mm ² (After water immersion) |
| | 1.5-1.7 N/mm ² (After heat aging) |
| Classification under | C2TES1 Adhesive |
| (ISO 13007-1) | |

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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CONSUMPTION

Approx. 3 kg/m² at 3 mm bed thickness or approx. 6 kg/m² at 6 mm bed thickness.

PROCEDURE & APPLICATION



Substrate Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Ceramic tiles are to be fixed dry. Do not soak in water.



Mixing

Mix weberset x'tra flex with the required amount of clean water or latex admixture (webermix admix 1, webermix admix plus or webermix multibond). weberset x'tra flex requires mixing with water unless special conditions where latex admixture can be used in replacement of water, to enhance physical properties. Mechanical mixing is recommended.



Application

Spread weberset x'tra flex (paste consistency) with a suitable notched trowel. Spread no more than 1 m² at a time to avoid skin-over. Fix tiles onto the adhesive bed, followed by a slight twisting action to secure contact. Touch the adhesive bed periodically to check for skin-over. Adjustability time varies and is approx. 20 minutes. Allocate joints of approx. 2-3 mm wide between tiles. Remove surplus adhesive from tile surface and joints before it hardens. The adhesive should not be used in temperatures lower than 5°C or in damp conditions.



Grouting

Grouting of tile joints should only commence at least 24 hours after completion of tiling or until the adhesive has set. Setting may be delayed on dense or impervious surfaces. Use weberfill fine grout or weberfill f&w grout and etc. depending on grouting joints widths and specific areas requirement.



Movement Joints (BS 5385: Part 1-5)

- Over existing structural joints.
- Where tiling abuts other materials.
- At junctions between different background materials.
- In large areas of floor or wall tiling, at 6-9 m centres vertically & horizontally and the floor perimeter or corners.
- Around a fix structure i.e., column or machinery.
- Where stresses are concentrated i.e., changes in the wall or floor alignment.

STORAGE & PACKING

weberset x'tra flex is available in 25 kg bags.

Shelf life of 12 months if unopened, and kept in sheltered and dry conditions.

HEALTH & SAFETY

weberset x'tra flex contains cement, which may produce an allergic effect. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with the skin, wash immediately with plenty of soap and water. Please keep out of reach of children.

*Note Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain Weber (M) Sdn Bhd reserves the rights to amend the contents of the data sheet at its sole discretion. (Sep '25)



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