



FLEXBOND

High Performance

FLEXBOND is a white, high performance cement-based tile adhesive. FLEXBOND has a high polymer loading, is non-slump and suitable for most types of tiles over a large range of substrates, including existing tiles.

High performance and suitable where heavy pedestrian traffic is likely and designed to absorb movement associated with early age concrete, vibrations and concrete shrinkage.

FLEXBOND is classified as C2S1TE when tested to AS4992.2 by and independent body.

Advantages

Excellent Flexibility	Allows for thermal and shrinkage movement and suited to commercial, high traffic areas.
Superior Technical Properties	High performance for commercial, industrial and residential tile installation.
Higher Bond Strength	Allows for fixing tiles directly onto tiles (without mechanical scoring).
Ultra White	A pure white product that is suitable for glass and translucent tiles.
Classification	C2S1TE for superior tensile strength.



Product Attributes

Uses

Substrates:

Concrete Floors: New concrete should be at least 7 days old and if smooth, the surface should be roughened to obtain a good bonding key. Ensure release agents are removed from concrete surfaces, especially on tilt up slabs. Old concrete surfaces must be cleaned thoroughly prior to tiling.

Cement Render: Render should be sound and float finished providing a good bonding key. Render should be reasonably thick and at least 24 hours old.

Plasterboards: The joining compound should be primed. There is no need to prime the paper surface.

Cement Fibre: All cement fibre sheeting must be primed prior to tiling.

Painted Surfaces: All loose and flaking paint must be removed and water based paints should be removed thoroughly (do not use paint strippers). Painted surfaces should be scabbled or abraded until 80% of the original substrate is exposed.

Existing Tiles: Ceramic tiles should be sound with the surface cleaned and etched thoroughly then rinsed with water. Ensure the original surface to be tiled over is free from any dust, oil, grease or any surface contaminants.

Vinyl: Vinyl must be firmly adhered and free from oil, dust, and all contaminating materials. It should be cleaned thoroughly then rinsed with water before application.



Tiles:	Natural stone, glass and translucent tiles, mosaic, ceramic, monocottura and fully vitrified tiles.
Surfaces:	Walls and floors.
Location:	Interior and exterior.
Performance:	Commercial and domestic walls and floors, including high traffic areas. For more information on suitable substrates or substrates that are not listed above, please contact a Westbuild Representative.
Colour	Pure White.
Packaging	20kg bag (56 bags per pallet).
Coverage	20kg will cover approximately 6.5m ² using a 10 x 10mm trowel (for floors) or 8.0m ² using a 6 x 6mm trowel (walls).
Shelf Life & Storage	12 months when stored in a dry place in the original, unopened packaging. Do not store on concrete floors. High levels of humidity will reduce the shelf life of the product.

Technical Data

Product Identity

<i>Form</i>	Powder
<i>Colour</i>	Pure White
<i>Bulk Density</i>	1500kg/m ³

Application Properties

<i>Setting Time</i>	8 hours
<i>Pot Life</i>	2 hours
<i>Adjustability Time</i>	30 minutes

Application properties are dependent on temperature and relative humidity.

Typical Performance

<i>7 Day Tensile bond Strength</i>	> 1.0mpa
<i>28 Day Tensile bond Strength</i>	> 1.0mpa
<i>Open Time (30 Minutes)</i>	> 0.8mpa
<i>Flexibility (mm)</i>	> 2.5mm

Classification according to AS4992 **C2S1TE**

Installation

Surface Preparation Remove any dust, oil, grease and all loose contaminating material and free from any substances that may affect adhesion performance. Ensure surface is dry before tiling with no residue or permanent damp

Surfaces must be firmly fixed and installed according to manufacturer's instructions and relevant Australian standard(s). Porous surfaces need to be primed with Westbuild PRO™ Flexible Additive Fortifier & Primer (see Related Products section).



<u>Water Ratio</u>	1 bag to 4.8/5 litres of water (24-26% water addition)
<u>Mixing</u>	Add powder to water and mix to a thick, smooth consistency. Allow to stand for approximately 5 minutes. Stir the mixture again and the adhesive is ready to use. Under no circumstances should more water be added to the mixture once the product has exceeded its pot life.
<u>Application</u>	<p>Ensure the back of the tile is free from dust. Use a 10mm or 12mm notched trowel for floors and an 8mm notched trowel for walls. (For larger wall tiles, a 10mm trowel is recommended.)</p> <p>Do not spread more than 1 metre of adhesive at a time to ensure the adhesive does not skin prior to bedding the tiles. Press and slide the tile at right angles ensuring the tiles are well bedded and there are no voids under the tiles. Make sure the newly tiled surface is not disturbed for a minimum of 8 hours.</p> <p>Movement joints should be provided as per the current Australian Standards as at the time of tile installation. Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and excess adhesive.</p> <p>Allow to dry before grouting.</p>
<u>Drying Time</u>	Approximately 24 hours depending on surface porosity and ambient temperature.
<u>Cleaning</u>	Clean any excess adhesive from tiles, tools and hands with water while material is still wet.

<u>Attention</u>	<p>Do not use to install tiles under continuous water immersion (e.g. swimming pools, ponds, water features). For tiling under continuous water immersion use Ultra Grip tile adhesive.</p> <p>All external tiling should have adequate water runoff (and/or drainage) with no freestanding pools of water.</p> <p>High temperature working – always spread smaller amounts of adhesive to avoid the adhesive skinning prior to bedding the tiles.</p> <p>Do not apply in temperatures above 36 degrees Celsius.</p> <p>(See Related Products section for alternative solutions).</p>
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<u>Safety Precautions</u>	All cement-based products are alkaline and can cause irritation. Although this product is not considered hazardous, a dust mask should be worn when handling the material. Contact with the eyes and repeated and prolonged skin contact should be avoided.
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<u>Technical/Safety Data</u>	TECHNICAL DATA SHEETS (TDS) AND SAFETY DATA SHEETS (SDS) should always be referenced before handling this product and before the commencement of any works. Material safety data sheets are available on request. A WESTBUILD Representative is always available should you require further information. Visit our website for further information on the use of this product and suitability for your application.
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Guarantee

WESTBUILD Products Pty Ltd guarantees this product for 10 years after the project completion date subject to terms and conditions. The product must be used for the purpose intended and all tiling works must be to the applicable Australian standards at the time of use. Please refer to WESTBUILD'S full guarantee documentation available on request.

Related Products

Westbuild PRO™ Flexible Additive Fortifier & Primer

It is the responsibility of the user to ensure that products are used in accordance with the Westbuild Products Pty Ltd instructions for use, and Australian Standard procedures in applications for which they are intended. Westbuild Products Pty Ltd and its associated companies cannot guarantee and are not liable for the use of their products outside of Australian Standards guidelines and the Westbuild Products Pty Ltd instructions for use. The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge at time of printing. Freedom from patent restrictions should not be assumed.

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