



HTS White™

High Tensile Strength Tile Adhesive

High Tensile Strength (HTS) Tile Adhesive is a cement-based, polymer-fortified wall and floor tile adhesive. HTS has an extremely high tensile strength and is designed for fixing large format tiles, premium stone, marble, and porcelain tiles.

HTS has no vertical slump and non shrink for a level finish. It is white in colour and suitable for lighter coloured stone.

HTS White is classified as C2TE when tested to AS4992.2 by an independent body.

Advantages

High Tensile Strength	For fixing premium stone, marble porcelain and larger format tiles.
Easy To Use	Negates the need for liquid polymer additives.
Superior Technical Properties	High performance for commercial, industrial and residential tile installation.
Non Slump + Extended	For a level finish, and high efficiency tile installation open time

C2TE Classification according to AS4992.2



Product Attributes

Uses

Substrates:	<p>Concrete Floors: New concrete should be at least 21 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.</p> <p>Cement Screeds: Cement screeds should be at least 7 days old and finished with a wood float.</p> <p>Cement Render: The render should be sound and float finished to provide a good bonding key. Render should be reasonably thick and at least 24 hours old.</p> <p>Westbuild PRO™ Wet Area Waterproofing: over concrete/screed substrates</p> <p>Existing Ceramic Tiles: Existing tiles must be mechanically roughened to remove at least 80% of the original glaze. All dust and contamination must be removed before tiling.</p>
Tiles:	For fixing premium stone, marble porcelain and larger format tiles.
Surfaces:	Walls and floors.
Location:	Interior and exterior.



Performance:	Residential, commercial and industrial. For more information on suitable substrates or substrates that are not listed above, please contact a WESTBUILD Representative.
Colour	White.
Packaging	20kg multi wall paper bag (56 bags per pallet).
Coverage	20kg will cover approximately 5.0m ² using a 10 x 10mm trowel on a consistently flat surface.
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>	White
<i>Bulk Density</i>	1420kg/m ³

Application Properties

<i>Setting Time</i>	12 hours
<i>Pot Life</i>	1.5 hours
<i>Adjustability Time</i>	20 minutes
<i>Open Time</i>	30 minutes

Application properties are dependent on temperature and relative humidity.

Typical Performance

<i>28 Day Tensile Bond Strength</i>	> 1.3mpa
<i>14 day + 14 Day 70°C</i>	> 1.4mpa
<i>Open time (20 minutes)</i>	> 0.5mpa

Classification according to AS4992.2 **C2TE**

Installation

Surface Preparation Remove any dust, oil, grease and all loose contaminating materials. Ensure surface is dry before tiling with no residue or permanent damp. Surface must be consistently level or flat, and firmly fixed. Porous surfaces need to be primed with Westbuild PRO™ Flexible Additive Fortifier & Primer (see Related Products section).

Water Ratio 1 bag to 4.8 litres of water (24% water addition)

Mixing Add powder to water and mix to a thick, smooth consistency. Allow to stand for approximately 5 minutes. Stir the mix 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.

Application Ensure the substrate has been properly prepared, and tiles are free from dust. Tiles should be fixed in accordance with AS 3958.



For floors a 10mm notched trowel is recommended and an 8mm notched trowel for walls. Large format tiles will require a 10-12mm notch trowel. This is a general guide, and the type of tiles and substrate will determine the size notch. Do not apply HTS at a bed thickness greater than 12mm.

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.

Do not spread more than 1 metre of adhesive at a time to ensure the adhesive does not skin prior to bedding the tiles. The open time of HTS is 30 minutes. Press and slide the tile at right angles ensuring the tiles are well bedded and that there are no voids under the tiles.

Tiles with ribbed or keyed back profiles should be back buttered to ensure complete coverage.

Make sure the newly tiled surface is not disturbed for a minimum of 12 hours.

Drying Time

Approximately 12 hours depending on surface porosity and ambient temperature.

Cleaning

Clean any excess adhesive from tiles, tools and hands with water while material is still wet.

Attention

Do not use for tiling directly over timber floors or where movement is anticipated. Contact WESTBUILD for further advice and alternative suitable products.

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.

Always mix the product mechanically, and allow the product to stand for 5 minutes. Re-mix and the product is ready for use.

Do not apply in temperatures above 36 degrees Celsius.

High temperature working – always spread smaller amounts of adhesive to avoid the adhesive skinning prior to bedding the tiles.

See Related Products section for alternative solutions.

Safety Precautions

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.

Technical/Safety Data

Technical/Safety Data TECHNICAL DATA SHEETS (TDS) AND SAFETY DATA SHEETS (SDS) are available on request and should always be referenced before handling this product and before the commencement of any works. 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.



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
Westbuild PRO™ Wet Area Waterproofing
Extrabond Flexible Adhesive

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.

WESTBUILD CONTACT DETAILS
PHONE: 08 9309 2029
EMAIL: technical@westbuildgroup.com