

Tiling Specification

Tiling in Swimming Pools / Waterline Tiling

Scope

Tiling the waterline of a concrete swimming pool can sometimes be fully exposed or fully immersed, depending on the pool water level. A suitable tile adhesive, such as Westbuild Ultra Grip, must be selected to cope with the severe environment of wet-dry cycling and rapid temperature changes. Use Ultra Grip for:

- Direct waterline tiling in concrete swimming pools
- Ceramic, stone, mosaic tiles

Product

Ultra Grip is a cement-based, polymer-fortified wall and floor tile adhesive. It is formulated to produce a higher bond strength suitable for fixing all types of tiles, including dense bodied and fully vitrified tiles over sound substrates without the need for liquid additives.



Recommended Product:	Westbuild Ultra Grip	AS4992.2 Classification C1E
Alternative Product:	Westbuild HTS White	AS4992.2 Classification C2TE

Preparation

Concrete: 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.

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.

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 back of the tile is free from dust. Use a 10x10x10mm notched trowel for floors and a 6mm notched trowel for walls (a 10x10x10mm notched trowel is recommended for larger wall tiles). Do not apply Ultra Grip at a bed thickness greater than 10mm. Do not apply adhesive in direct sunlight or hot or windy conditions.

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 that there are no voids under the tiles. Make sure the newly tiled surface is not disturbed for a minimum of 8 hours. For superior protection, Epoxy grouts should be used after the adhesive has completely cured. Chemical dosage of pool water should not exceed the recommendation of AS 3633.

Mechanical and Physical Properties

Classification	AS4992	C1E	Water Ratio	20kgs to 4.8/5 Litres of clean fresh water
Appearance	Form	OFF WHITE Powder	Coverage (smooth, flat concrete floor)	5m ² per 20kg bag (10mm notched trowel)
	Density	1420kg/m ³	Adjustability & Open Time	20 mins
			Pot Life	1.5 hours
			Set Time	12 hours

The above information is a general specification only and does not make provision for specific site and project requirements. Please consult with the Technical Data Sheet or directly with Westbuild for a unique and tailored specification for your project.