



Tile Power -TP001 ULTIMATE

Tile Power TP001 Ultimate is an all in one universal adhesive. Specially designed for high quality Stone, Marble and Porcelain installations (excluding green marble). Tile Power TP001 Ultimate is a white, premium grade polymer fortified and reinforced adhesive. It is also formulated with low shrinkage and non-horizontal and vertical slump properties.

Tile Power TP001 Ultimate is a C2S1TE adhesive guaranteeing high performance in strength and flexibility.

Conforms to AS4992

C2S1TE

Australian Standard

Ideal for:

- Interior and exterior applications
- Ideal for 24hr sand and cement screed (Up to 50mm bed thickness)
- Residential or commercial applications
- Suitable for wall and floor tiles
- Suitable for laminam tiles
- Suitable for high quality porcelain, vitrified, ceramic, natural stone and marble installations. (excluding green marble, conglomerate and moisture sensitive tiles).
- Suitable for large format tiles
- Non horizontal and vertical slump - ideal for wall tiling
- Ideal to use over variety of rigid substrates and flexible substrates (excluding direct fixing to timber)
- Suitable for translucent and light coloured tiles
- Suitable for under tile heating
- Can be used to tile directly over existing tiles
- Waterproofing membranes (Davco approved) most acrylic and water based polyurethanes. (NOT SOLVENT POLYURETHANES, BITUMENS ETC)
- Suitable for stack stone (when mixed with Davelastic)
- Suitable for swimming pools (when mixed with Davelastic)

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Surface Preparation

- All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and any other loose or contaminating materials.
- Painted surfaces must be scabbled/abraded to expose at least 80% of the original substrate.
- New render/screed surfaces must be allowed to cure for at least 24 hours and have a wood float finish.
- All building boards that are suitable for tiling must be firmly fixed according to the manufacturer's instructions and the relevant Australian Standards.
- Old render/screed surfaces must be thoroughly cleaned prior to tiling and have a wood float finish.
- New concrete must be allowed to cure for 6 weeks and should have a wood float finish.
- Steel trowel finished concrete must be mechanically abraded prior to tiling. The use of PrimeX can be used after cleaning the surface.
- Old concrete surfaces must be thoroughly cleaned prior to tiling.
- Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs.
- Porous/dusty surfaces (including fibre cement and other building boards) must initially be primed using **Davco Ultraprime**.

Davco Ultraprime.

- Under tile floor heating must be correctly fixed according to the manufacturer's instruction and relevant Australian Standards. It is advisable to use high quality underlayment system such as **Lanko 133** in conjunction with **Lanko 753 Acrylic Additive** (gauge 1:2 with water – 1 part **Lanko 753**: 2 part water), to be laid on top of the under tile heating mat. Once this is dry prime with **Lanko 124** then apply the adhesive as normal.

Mixing

The mixing ratio is 20kg of **Tile Power TP001 Ultimate** to approximately 4.5 - 5.5L of clean, potable water.

When using with **Davco Davelastic**, prepare a gauged mixture of 1:1 Davelastic and water (2.5L each) and use this mixture instead of just water.

Place the water into a bucket and add the **Tile Power TP001 Ultimate** while constantly mixing with a drill and paddle. Mix until a thick creamy consistency is achieved.

Allow the mixture to stand for 5 min, remix then use the adhesive.

Application

Tiles must be installed as stipulated by AS3958 – Guide to the installation of Ceramic Tiles. General requirements:

An appropriate amount of adhesive must be used to ensure an adequate bed depth and adhesive coverage.

Tile	Trowel
Wall tiles up to 150 x 150mm.	6mm
Wall / Floor tiles larger than 150 x 150mm	10mm
Large tiles 400 x 400mm or larger	12mm
Mosaic tiles	6mm

It is required that tiles larger than 400 x 400mm must be back buttered before placement. This is required to ensure adequate adhesive coverage and a better bond.

Do not exceed the open time of the adhesive (ensure adhesive does not skin before bedding the tile). Press tiles firmly into position and make sure that all the tiles are well bedded with no voids in the adhesive.

Occasionally lift a tile after placing to check that the coverage is adequate (90 – 100% coverage).

Only spread adhesive over an area on which tiles can be laid within the open time of the product.

ie. ensure the adhesive has not skinned before placement of tiles.

After laying do not disturb or allow traffic on the tiles for 24 hours (at 20°C).

Precautions

- Do not apply in temperatures above 35°C or below 5°C.
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.
- Contact ParexDavco (Australia) Pty Ltd for more advice if considering using in areas or onto surfaces not described in this document.
- Not suitable for use in immersed areas such as pools and spas.
- For a full MSDS on **Tile Power TP001 Ultimate** contact your ParexDavco (Australia) Pty Ltd state office.

SAFETY: It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product.

Keep out of reach of children. If eye contact occurs, rinse with cool water. If ingested get immediate medical assistance.

Coverage

A 20kg bag of **Tile Power TP001 Ultimate** will cover approximately 6m² using a 10mm notched trowel.

Cleaning

- Avoid excessive adhesive drying out as it is easier to remove when it is still fresh.
- Remove wet product with a damp cloth.
- Clean tools and equipment with water.
- If allowed to dry it will need to be removed mechanically or using a suitable acid based product. In some cases these methods can affect the tile and should be avoided whenever possible.

Technical Data

Appearance of Mix	White Powder
Bulk Density:	~1.4 kg/L
Open Time at 20°C (primed surface):	30 minutes
Adjustment Time at 20°C:	20 minutes
Pot Life at 20°C:	3 hours
Drying Time at 20°C:	24 hours before grouting
Ready for wet area service:	7 days



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The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3958.1.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.