



Maximum



A flexible, cement-based tile adhesive with maximum bond strength



FEATURES & BENEFITS

- Very high bond strength
- For use over under-tile heating
- Non-vertical slump for easy wall tiling
- Non-shrink for a level, even finish
- Can be used to tile directly over existing tiles

PACKAGING

Available in a 20kg bag

WHERE TO USE

Surfaces

Most common substrates; building boards including plasterboard, compressed and fibre cement sheet, rendered brickwork and blockwork, existing ceramic tiles, concrete, screeds and compatible Davco waterproofing membranes. Also suitable for use over under-tile heating and over Davco acoustic underlay.

Tiles

Ideal for premium stone, light coloured natural stone and marble with the exception of green marble and moisture sensitive stone. As well as all common tiles, vitrified porcelain, large format, rectified (square) edge tiles and laminam tiles.

Areas

Suitable for interior and exterior applications. Commercial and domestic walls and floors including high foot traffic locations, bathrooms, showers, kitchens, laundries, living rooms, balconies, patios, swimming pools and spas (when mixed with Davco Davelastic).

PRODUCT INFORMATION

AS ISO 13007 Classification

C2S1TE (C2S2TE when mixed with Davco Davelastic solution)

VOC Content

Low VOC - 7g/L (SCAQMD method 304-91)

Coverage

20kg bag of Davco Maximum Tile Adhesive covers approximately 6m² - 7m² (based on a 10mm notch trowel)

Set Time

24 hours before grouting



MADE IN AUSTRALIA



DIRECTIONS FOR USE

- Test product in an inconspicuous area first
- It is essential to plan the area to be tiled, with inclusion of movement joints, in accordance with the Australian Standard AS3958.1 "Guide to the Installation of Ceramic Tiles." Failure to do so may result in drummy or lifting tiles. Make sure normal building or surface movement is accommodated by installing movement joints as follows:
 - Over movement joints in the substrate
 - At a junction between different substrate materials
 - At fixtures interrupting the tile surface e.g. columns
 - At internal vertical corners
 - Around the perimeter of the tiling system
 - At a maximum of 4.5m centres, in a grid pattern
 - Movement joints should be kept free from dirt and adhesive droppings
 - All movement joints can be filled with Davco Elite Silicone or polyurethane type fillers
- Select a trowel with an appropriate square-notch size for the size and type of tile, as per the following:

| TILE SIZE | TROWEL NOTCH SIZE | BACK BUTTERING REQUIRED |
|---|------------------------------------|-------------------------|
| Mosaic tiles | 6mm | |
| Wall tiles 150 x 150mm | 6mm | |
| Wall and floor tiles larger than 150 x 150mm | 10mm | |
| Tile 400 x 400mm or larger | 12mm | ✓ |
| Any tile size with uneven back, lugs or grooves | As above, dependent upon tile size | ✓ |
| Translucent tile | As above, dependent upon tile size | ✓ |

SURFACE PREPARATION

- All surfaces must be installed according to manufacturer's instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to tiling
- Deeply contaminated surfaces must be scabbled / abraded to a clean, sound surface. Expose at least 80% of the original substrate of painted surfaces
- Surfaces should be prepared and primed as per the following:

| SUBSTRATE | SPECIFIC REQUIREMENTS | PRIMING |
|---|---|---|
| Concrete - wood float finish (rough) | Cured minimum 7 days | Prime with Davco PrimeX or Ultraprime |
| Concrete - steel trowel finish (smooth) | Cured minimum 7 days Free of laitance (not flaking) | Prime with Davco PrimeX |
| Rendered brick / blockwork - wood float finish (rough) | Cured minimum 24 hours Sound (not drummy or cracked) | Prime with Davco PrimeX or Ultraprime |
| Screed - wood float finish (rough) | Cured minimum 24 hours Sound (not drummy or cracked) | Prime with Davco PrimeX or Ultraprime |
| Fibre cement sheet, plasterboard | Correctly and firmly fixed | Prime with Davco PrimeX or Ultraprime |
| Compressed fibre cement sheet | Correctly and firmly fixed | Prime with Davco PrimeX |
| Existing ceramic tiles (provided tile is not sealed or in a submerged area, such as swimming pools) | Securely bonded existing tiles (not drummy). Wet areas, such as within shower recess area, mix Davco Maximum with a diluted Davco Davelastic solution | Clean only with sugar soap, no priming needed |
| Other difficult / non absorbent substrates (e.g. contaminated / old flooring adhesive or tile adhesive) | Where not feasible to remove | Prime with Davco Ultrabond (See Ultrabond Technical Data sheet) |
| Under-tile heating | Correctly installed with level surface for tiling over | As appropriate for material |

MIX PREPARATION

Mix Process

| SITUATION / REQUIREMENT | MIX REQUIREMENTS PER 20KG |
|-------------------------|----------------------------------|
| General applications | 4.5-5.5L of clean, potable water |

1. Measure the right amount of clean, potable water (or diluted Davelastic liquid) into a clean bucket. 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.
2. Slowly add the powder into the water while mixing with a mixing paddle attached to a drill. Do not mix by hand.
3. Continue to mix for several minutes until a creamy consistency is achieved, free of lumps of powder.
4. Allow mixture to stand for 5 minutes, remix then use the adhesive.

APPLICATION

Laying the Tiles

1. Deposit a quantity of adhesive onto the prepared substrate.
Do not apply more adhesive than can be tiled within the open time of the product, usually from a single tile up to around 1m² at a time.
2. Hold the notched trowel at an angle of 60° or greater to the substrate.
3. Spread the adhesive over the area where tile is to be applied, forming straight rows of adhesive “beads”.
4. Where “back buttering” is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
5. Position the tile on the beaded adhesive and press firmly.
6. Move the tile forward and then back at 90° across the direction of the beads to ensure all beads are flattened leaving no voids under the tile. Occasionally lift a tile after placing it to check that the beads are fully compressed and that sufficient coverage has been achieved (90-100%). Replace the tile.
7. After laying a section at a time, remove any excess adhesive from the surface of the tiles and within the grout joint while the adhesive is still wet.

Clean-up & Return to Service

- Clean tools and equipment with water before the adhesive dries
- Allow product to set before grouting
- Allow product to set firmly before return to service

Note: Setting times of adhesive is affected by site conditions, climate and could be faster or slower than specified

PRECAUTIONS

Safety

- SDS is available from www.parexdavco.com.au
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product.
- If eye contact occurs, rinse with cool water
- If ingested get immediate medical assistance
- Keep out of reach of children

General

- Do not apply in temperatures above 35°C or below 5°C
- In cool and / or humid conditions, allow longer setting times
- 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

Specific

- Not suitable for moisture sensitive stone - use Davco 2-Part Rapid
- Not suitable for direct fixing to timber floors
- For tiling over existing ceramic tiles in wet areas, such as a shower recess, mix Davco Maximum with a diluted Davco Davelastic liquid
- Do not use for tiling over existing tiles in submerged areas, such as swimming pools and spas
- For other uses not mentioned in these instructions, please contact **ParexGroup**

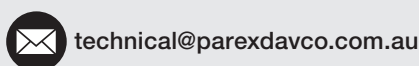
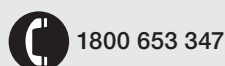
TECHNICAL DATA

| TECHNICAL DATA | MAXIMUM |
|--|--|
| Bond strength accordance with AS ISO 13007: – After 28 days – After heat exposure – After water immersion – Transverse deformation | > 1.0MPa > 1.0MPa > 1.0 MPa > 2.5mm < 5mm |
| Classification according to solution when mixed with Davco Davelastic | C2S2TE |
| Adjustment time | 20 minutes |
| Pot life | 3 hours |
| Set time before grouting | 24 hours |
| Set time before return to dry area service | 24 hours |
| Set time before return to wet area service | 7 days |
| Set time before return to submersed area service | 21 days |
| Shelf life when stored unopened in elevated, cool, dry location | 12 months |

All measurements are taken at 22°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.



ParexGroup products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.



ParexGroup reserves the right to inspect any alleged failure at our cost. No responsibility will be accepted unless a representative of ParexGroup is afforded the opportunity to inspect any alleged failure.