

Davco



Product Data Sheet

2 Part Rapid



A high performance,
2 part, rapid set,
cement-based tile adhesive



FEATURES & BENEFITS

- Bright white in appearance
- Very high bond strength
- Rapid setting, trafficable in 3 hours
- Ideal for moisture sensitive stones
- Suitable for tiling over existing tiles
- Ideal for use in swimming pools

PACKAGING

Part A available in a 20kg bag

Part B available in a 5L jerry can

Kits Available

5L kit: 5L jerry can + 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, new concrete cured in 6 weeks and new screed cured in 24 hours, compatible waterproofing membranes, timber floors (a ceramic tile underlay is required in accordance with Australian Standard AS3958.1). Suitable for use over under-tile heating and over Davco acoustic underlay.

Tiles

Ideal for ceramic, mosaic, terracotta, rectified, porcelain, slate, quarry, granite and moisture sensitive stone and marble. Specially formulated to adhere stones that are highly moisture sensitive including green marble.

Areas

Suitable for interior and exterior applications. Commercial and domestic walls and floors, especially floors in high traffic areas such as supermarkets, factories, hospitals and airports. Suitable for use in submerged areas such as swimming pools and spas.

PRODUCT INFORMATION

AS ISO 13007 Classification

C2S1FE

VOC Content

Low VOC - 52g/L (SCAQMD method 304-91)

Coverage

20kg bag of Davco 2 Part Rapid powder (Part A), when mixed with 5 litres of 2 Part Rapid liquid (Part B) covers approximately 5-8m² (depending on the size of the trowel used)

Set Time

3-4 hours



MADE IN AUSTRALIA



DIRECTIONS FOR USE

- Test the 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	
150 x 150mm	6mm	
200 x 200mm	8mm	
250 x 250mm	10mm	
300 x 300mm	10mm	
400 x 400mm and over	12mm	✓
Any tile size with uneven back, lugs or grooves	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 6 weeks	Prime with Davco PrimeX or Ultraprime
Concrete - steel trowel finish (smooth)	Cured minimum 6 weeks 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
Timber floor	Correctly and firmly fixed with ceramic tile underlay	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)	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)
Metal surfaces	Ensure that the metal surface is completely free of rust	Prime with a zinc chromate or etch primer
Under-tile heating	Correctly installed with level surface for tiling over	As appropriate for material

MIX PREPARATION

Mix Process

SITUATION / REQUIREMENT	MIX REQUIREMENTS
Floor tiling	20kg powder to 5L liquid
Wall tiling	20kg powder to 4.5L liquid

1. Add 5 litres of 2 Part Rapid liquid to a clear bucket.
2. Slowly add the 2 Part Rapid powder into the 2 Part Rapid Liquid 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.
8. After laying the tiles, do not disturb or allow foot traffic on the tiles for at least 3-4 hours.

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

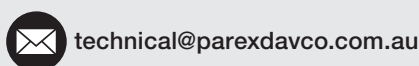
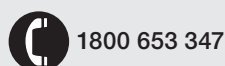
- Back buttering to achieve 100% coverage is recommended for light coloured or translucent tiles
- A reduced amount of 2 Part Rapid liquid is required for wall tiling, this will affect the pot life and open time. Smaller mixes are recommended for this reason
- When using 2 Part Rapid in swimming pool applications, allow the product to fully cure for 21 days prior to filling
- For other uses not mentioned in these instructions, please visit www.parexdavco.com.au

TECHNICAL DATA	2 PART RAPID
Bond strength accordance with AS ISO 13007:	
– 28 Day RT	> 1.0MPa
– After heat exposure	> 1.0MPa
– After water immersion	> 1.0 MPa
– Transverse deformation	> 2.5mm < 5mm
Appearance	White powder
Coverage 20kg bag + 5L jerry can depending on the trowel size	5-8m ²
Pot life	1 hour
Open time (primed surface)	> 20 minutes
Adjustment time	20 minutes
Set time before grouting	3-4 hours
Light foot traffic	3-4 hours
Ready for domestic service at 10°C-20°C	12 hours
Ready for commercial service at 10°C - 20°C	24 hours
Set time before return to wet area service	3 days
Shelf life when stored unopened in elevated, cool, dry location	Powder 6 months Liquid 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.

