

# Davco

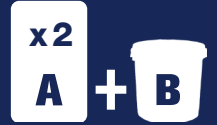


## Product Data Sheet

# Tradeflex



A premium 2 part, flexible, thick or thin bed tile adhesive



## FEATURES & BENEFITS

- Absorbs vibration and reduces sound transmission
- Easy to use - a true 2 to 1 mix
- Commercial grade
- For flexible and rigid substrates
- Good strength
- High flexibility
- For use over under-tile heating
- Off white appearance

## PACKAGING

Part A available in a 20kg bag

Part B available in a 10L or 20L pail

### Kits available

**10L kit:** 10L pail + 20kg bag

**20L kit:** 20L pail + 2x20kg bags

## WHERE TO USE

### Surfaces

Most common substrates-plasterboard, fibre cement sheeting, timber floorboards (after a ceramic tile underlay has been fixed as per AS3958), structural composition board or marine grade ply, concrete, cement renders / screeds, rendered brickwork and blockwork and compatible waterproofing membranes.

### Tiles

Ideal for ceramic, mosaic, porcelain, terracotta, slate, quarry and granite tiles.

### Areas

Commercial and domestic walls and floors including bathrooms, showers, kitchens, laundries, living rooms, balconies and patios.

## PRODUCT INFORMATION

### AS ISO 13007 Classification

C1S2E

### VOC Content

Low VOC - 5g/L (SCAQMD method 304-91)

### Coverage

20kg bag of Davco Tradeflex powder (Part A) mixed with 10 litres of Davco Tradeflex liquid (Part B) covers approximately 9m<sup>2</sup> (based on a 12mm notch trowel)

2 x 20kg bags of Davco Tradeflex powder (Part A) mixed with 20 litres of Davco Tradeflex liquid (Part B) covers approximately 18m<sup>2</sup> (based on a 12mm 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	
150 x 150mm	6mm	
150 x 150mm and over	10-12mm	
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 7 days Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Screed - wood float finish (rough)	Cured minimum 7 days 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)	Prime with Davco Ultrabond (See Ultrabond Technical Data sheet)
Other difficult / non absorbent substrates (e.g. contaminated / old flooring adhesive or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond
Under-tile heating	Correctly installed with level surface for tiling over	As appropriate for material

## MIX PREPARATION

### Mix Process

SITUATION / REQUIREMENT	MIX REQUIREMENTS
General applications	20kg powder to 10L liquid 40kg powder to 20L liquid

1. The mix ratio is 2 parts powder to 1 part liquid. Measure the right amount of Tradeflex powder (Part A) and liquid (Part B) into a clean bucket.
2. Slowly add the powder into the 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 1m<sup>2</sup> 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.davcoaustralia.com.au](http://www.davcoaustralia.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

- When using Tradeflex externally or in wet areas ensure adequate drainage exists, so that water does not pond on the tile surface
- Not suitable for submerged areas, such as swimming pools and spas
- Not suitable for installations that will experience heavy traffic or high point loads
- Tradeflex will take longer to cure when applied over surfaces with low porosity or when used in conjunction with tiles that have low porosity

TECHNICAL DATA	TRADEFLEX
Bond strength in accordance with AS ISO 13007: <ul style="list-style-type: none"><li>– After 28 days</li><li>– After heat exposure</li><li>– After immersion in water</li><li>– Transverse deformation</li></ul>	> 1.0MPa > 1.0MPa > 0.5MPa < 1.0MPa > 5mm
Appearance	Off white powder and white liquid
Coverage 40kg bag + 20L pail based on 12mm notch trowel	18m <sup>2</sup>
Open time	20 minutes
Adjustment time	20 minutes
Pot life	3 hours
Set time before grouting	24 hours
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.

## LEGAL NOTES

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

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