

Davco



Product Data Sheet

Grey One Pot



A pre-mixed, ready to use, flexible tile adhesive



WHERE TO USE

Surfaces

Most common substrates - building boards including fibre cement sheet and plasterboard, tile underlay, rendered brickwork and blockwork.

Tiles

Ideal for ceramic, porcelain and mosaic. Not suitable on moisture sensitive stones.

Areas

Domestic walls and porous floors including bathrooms, kitchens and laundries.

PRODUCT INFORMATION

AS ISO 13007 Classification

D1E

VOC Content

Low VOC - 36g/L (SCAQMD method 304-91)

Coverage

20 litres of Davco Grey One Pot covers approximately 15m² (based on a 6mm notch trowel)

Drying Time

24 hours (before grouting)

FEATURES & BENEFITS

- Grey in appearance
- Pre-mixed and ready to use
- Suitable for internal walls and floors
- Used for thin bed tiling
- Ideal for porous tiles

PACKAGING

Available in a 1L, 4L, 10L or 20L pail





DIRECTIONS FOR USE

- Test the adhesive in an inconspicuous area first
- It is essential to plan the area to be tiled, with inclusion of movement joints in accordance with all relevant standard(s)
- 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 on 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, 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 table below:

SUBSTRATE	SPECIFIC REQUIREMENTS	PRIMING
Rendered brick/ blockwork 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

MIX PREPARATION

Mix Process

Davco Grey One Pot is ready to use straight from pail. No mixing required

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
7. 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.
8. After laying a section at a time, remove any excess adhesive from the grout joint and the surface of the tiles with a damp cloth while the adhesive is still wet.

Clean-up & Return to Service

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

Note: Setting time 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
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product. If contact with eye occurs, rinse with cool water. If ingested, seek immediate medical assistance.
- Keep out of reach of children

General

- All surfaces must be suitably sound, clean and installed according to manufacturer's instructions and relevant Australian Standard(s)
- 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.
- Movement joints must be installed as stipulated in AS3958, "Guide to the Installation of Ceramic Tiles". Failure to do so may result in drummy or lifting tiles.

Specific

- Not suitable for tiling over concrete, waterproofing membranes or existing ceramic tiles – use a suitable Davco cement-based adhesive
- Not suitable for moisture sensitive stone – use Davco 2 Part Rapid
- Use only on low porosity tiles when tiling over a porous / absorbent surface
- When using Grey One Pot with translucent / absorbent tiles, the colour of the adhesive must be considered
- Grey One Pot is suitable for adhering porous (>3% absorption) tiles over Davco Waterproofing Membranes (K10 Plus, Dampfast and K10 Rapid) for walls only. However, the drying time before grouting will be greatly extended

TECHNICAL DATA

TECHNICAL DATA	GREY ONE POT
Appearance	Grey paste
Coverage 20L based on 6mm notch trowel	15m ²
Open time	30 minutes
Adjustment time	15 minutes
Set time before grouting	24 hours
Set time before return to dry area service	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.

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