



BUILDING TRUST



PRODUCT DATA SHEET

Davco Grey One Pot adhesive

A PRE-MIXED, READY TO USE FLEXIBLE TILE ADHESIVE

DESCRIPTION

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

USES

- Davco Grey One Pot adhesive is suitable for common board substrates such as fibre cement sheet, plaster-board, and ceramic tile underlay.
- Davco Grey One Pot adhesive can also be used with rendered brickwork and blockwork.
- Davco Grey One Pot adhesive is designed for use for domestic residential applications on wall and porous floor substrates including kitchens, bathrooms and laundries.
- Davco Grey One Pot adhesive is suitable for use on internal applications only.
- Davco Grey One Pot adhesive is not suitable for tiling over concrete, waterproofing membranes or existing ceramic tiles, use a suitable Sika cement-based adhesives for these substrates.

Suitable tile types include;

- Ceramic tiles
- Porcelain tiles
- Mosaic tiles

Not suitable for moisture sensitive stone.

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Product Declaration	D1E as per AS ISO 13007 Classification
Packaging	Available in 1Ltr, 4Ltr or 10Ltr Pail
Shelf life	If unopened 12 months from date of manufacture.
Storage conditions	Store in dry cool conditions out of direct sunlight.
Volatile organic compound (VOC) content	Low VOC - 36g/Ltr (SCAQMD method 304-91)

APPLICATION INFORMATION

Consumption	10 Litres of Davco Grey One Pot adhesive cover approximately 7.5m ² (based on a 6mm notched trowel)
Open Time	30 minutes at 22°C & 50% relative humidity.
Setting Time	24 hours (before grouting) at 22°C & 50% relative humidity.
Adjustability Time	15-25 minutes dependant on tile and substrate porosity.
Applied Product Ready for Use	<ul style="list-style-type: none"> ▪ Allow product to set firmly before return to service. ▪ Allow 24 hours drying before returning to dry area service. ▪ Allow a minimum 7 days drying before returning to wet area service <p><i>Drying times are to be used as a guide only. Product tested at 22°C & 50% relative humidity.</i></p>

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- 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).
- 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 in accordance with the relevant standard(s). Failure to do so may result in drummy or lifting tiles.
- 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
- When using Davco Grey One Pot adhesive with translucent / absorbent tiles, the colour of the adhesive must be considered.
- Davco Grey One Pot adhesive is suitable for adhering porous (>3% absorption) tiles over Davco Waterproofing Membranes for walls only. However, the drying time before grouting will be greatly extended.
- For applications not mentioned in this document please contact Sika Australia.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

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APPLICATION INSTRUCTIONS

EQUIPMENT

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	4-6mm	-
150x150mm	6mm	-
200x200mm	8mm	-
250x250mm	10mm	-
300x300mm	10mm	-
400x400mm and larger	12mm	Yes
Any tile with uneven back, lugs or grooves	As above, dependant on size	Yes

Use appropriate personal protective equipment.

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 REQUIREMENT	PRIMER
rendered brick or blockwork (rough float finish)	Cured minimum 7 days Sound (not drummy or cracked)	Davco Ul-traprimo or Davco PrimeX
Fibre cement sheet, plaster-board	Correctly and firmly fixed	Davco Ul-traprimo or Davco PrimeX

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
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.

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

CLEANING OF TOOLS

Clean tools and equipment with water before the adhesive dries.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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