



BUILDING TRUST



PRODUCT DATA SHEET

Davco Trojan Mastic

A POLYMER FORTIFIED CEMENT BASED TILE ADHESIVE SUITABLE FOR A VARIETY OF TILES AND SURFACES.

DESCRIPTION

Davco Trojan Mastic is an economical, white, polymer fortified cement based adhesive designs for a variety of tiles and surfaces.

USES

Surfaces

Most common substrates - building boards including compressed and fibre cement sheet, fully cured concrete, screed (cured for 7 days), rendered brickwork and blockwork and compatible waterproofing membranes. Suitable for tiling over timber floors, provided that a fibre cement sheet tile underlay is first installed.

Tiles

Ideal for large format and rectified (square) edge tiles, porcelain, ceramic, mosaic and marble tiles.

Areas

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

CHARACTERISTICS / ADVANTAGES

- Trade grade
- Extended open time for tiling large areas
- Non-vertical slump for easy wall tiling
- Suitable for walls & floors and interior & exterior applications
- White formulation ideal for light coloured tiles and stone
- Economical

PRODUCT INFORMATION

Packaging	20kg bags - 64 bags per pallet
Shelf life	12 Months from date of manufacture.
Storage conditions	Store in an elevated location in dry cool conditions.
Appearance / Colour	White powder

APPLICATION INFORMATION

Mixing Ratio	5-5.5 Litres per 20kg Bag	
Consumption	Approximately 6-7m ² per bag with a 10mm notched trowel.	
Pot Life	2 hours. Adhesive may need re-stirring during its pot life	
Open Time	30 minutes at 23°C and 50% relative humidity.	
Applied Product Ready for Use	Application	Wait time
	Grouting and light foot traffic	24 hours
	Wet area service	7 days
Specifications vary according to site conditions and should be taken as a guide only.		

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.

LIMITATIONS OF USE

- It is essential to plan the area to be tiled, with inclusion of movement joints, in accordance with the Australian Standards. Failure to do so may result in drummy or lifting tiles.
- Davco Trojan Mastic is not suitable for submerged applications.
- Davco Trojan Mastic is not suitable for applications for direct fixing over timber substrates.
- Davco Trojan Mastic is not suitable for applications over heated substrates
- Davco Trojan Mastic is not suitable for applications externally on facades above 3 meters in height.

FURTHER INFORMATION

- Test product in an inconspicuous area first
- For applications not mentioned in this document please contact Sika Australia.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

EQUIPMENT

- Mixing drill with stirrer attachment
- Mixing buckets
- Notched trowel

SUBSTRATE QUALITY

- 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 mechanically prepared to a clean, sound surface. Expose at least 80% of the original substrate of painted surfaces.
- All substrates shall meet minimum deflection standards outlined in Australian standards.
- Concrete shall be cured for a minimum 6 weeks prior to tiling applications.
- Screeds shall be cured for a minimum 7 days.
- Board and sheeted substrates shall be fixed in accordance to the strict manufacturers instructions.

SURFACE PREPARATION

All surfaces shall be primed with a suitable Davco primer.

Porous Substrates primer:

- Davco Ultraprime
- Davco Primex

Dense concrete primer:

- Davco Primex
- Non porous primer
- Sika Prep n prime

Refer to the specific technical data sheet for each primer.

No primer required for applications directly over waterproofing membranes.

MIXING

Mix Process

- Measure the required amount of clean, potable water into a clean bucket.
- Slowly add the powder into the water while mixing with a mixing paddle attached to a drill. Always add the powder to the liquid. Do not mix by hand.
- Continue to mix for several minutes until a creamy consistency is achieved, free of lumps of powder.
- Allow mixture to stand for 5 minutes, remix then use the adhesive.
 - Adhesive may need re-stirring during the adhesive's potlife.
 - Once adhesive is mixed do not add additional water.

APPLICATION

- 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 grout joint and the surface of the tiles with a damp cloth while the adhesive is still wet.

CLEANING OF TOOLS

Tools and equipment can be cleaned with water while the adhesive is still wet.

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.

Sika Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48



Product Data Sheet

Davco Trojan Mastic

June 2023, Version 01.01

02171010200000412

DavcoTrojanMastic-en-AUDAVCO-(06-2023)-1-1.pdf