



BUILDING TRUST



PRODUCT DATA SHEET

Davco® Powder Mastic

DESCRIPTION

A flexible, cement-based tile adhesive ideal for large format and rectified edge tiles equipped with DUST LESS technology which reduces airborne dust by up to 80% in the mixing phase.

USES

Davco® Powder Mastic is suitable for interior and exterior applications. Commercial and domestic walls and floors including high foot traffic locations, bathrooms, showers, kitchens, laundries, living rooms, balconies and patios.

Davco® Powder Mastic is suitable for most common substrates including;

- fibre cement sheet / Ceramic Tile Underlay
- Fully cured concrete
- Screed (cured for 7 days)
- Rendered brickwork and blockwork
- Suitable Sika under tile waterproofing membranes and acoustic underlays.

Davco® Powder Mastic is ideal for most types of tiles including

- Large format and rectified (square) edge tiles
- Porcelain
- Ceramic
- Mosaic
- Natural stone (not sensitive to moisture)

CHARACTERISTICS / ADVANTAGES

- DUST LESS technology, less mess and airborne dust when mixing
- Commercial grade
- Dust Less Technology
- Non-vertical slump for easy wall tiling
- Use for thick or thin bed tiling
- Extended open time for tiling large areas
- White formulation ideal for light coloured tiles and stone

PRODUCT INFORMATION

Packaging	20kg bags
Appearance / Colour	White powder
Shelf life	12 Months from date of manufacture if unopened
Storage conditions	Store in off ground in dry cool conditions out of direct sunlight
Product Declaration	C1TES1 - AS ISO 13007.1
Volatile organic compound (VOC) content	Low VOC - 7g/L (SCAQMD method 304-91)

Mixing Ratio	5-6 Litres of clean cool potable water per 20kg	
Consumption	20kg bag of Davco® Powder Mastic covers approximately 7 m ² (based on a 10mm notch trowel)	
Pot Life	2 Hours	
Open Time	30 Minutes	
Applied Product Ready for Use	Application	Wait time
	Light foot traffic	24 hours
	Prior to grouting	24 hours
	Return to dry are service	24 hours
	Return to wet area service	7 days
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.		

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.

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.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Personal protective equipment
- Mixing drill with stirrer attachment
- Notched trowel
- Mixing buckets

SUBSTRATE 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 the following:

Substrate	Specific requirement	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 7 days Sound (Not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Fibre cement sheet, plaster-board	Correctly and firmly fixed	Prime with Davco PrimeX or Ultraprime
Compressed fibre cement sheet	Correctly and firmly fixed	Prime with Davco PrimeX
Timber floor	Lined with Ceramic Tile Underlay or suitable screed system (no direct fixing to timber flooring)	Prime with Davco PrimeX
Other difficult / non absorbent (e.g. metal) / contaminated (e.g. old flooring or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond or Sika Prep n Prime

Refer to the primer product datasheet for additional information.

MIXING

1. Measure the required amount of clean, potable water into a clean bucket.
2. 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.
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.
 - Do not add any additional water during the adhesive's pot life, restir without adding water.

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 grout joint and the surface of the tiles with a damp cloth while the adhesive is still wet.
 - Allow product to gain initial set before grouting
 - Allow product to set firmly before return to service

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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Product Data Sheet

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