



BUILDING TRUST



PRODUCT DATA SHEET

Davco Supamastic

DESCRIPTION

A ready to use premixed thin bed wall tile adhesives for internal use.

USES

Davco Supamastic can be used for residential internal thin bed wall applications with porous tiles (>3% absorption) on porous substrates.

Davco Supamastic can be used for residential internal floor tiling application with porous backed tiles (>3% absorption) on porous substrates.

Please note: If you are uncertain of the porosity of the tiles you are fixing use Davco SMP EVO adhesive. refer the the Davco SMP EVO product data sheet for additional information.

Suitable substrates include:

- Fibre cement sheet
- Plasterboard
- Ceramic tile underlay
- Rendered blockwork & brickwork
- Davco K10 Plus waterproof membrane (drying times will be greatly extended over waterproof membrane, therefore only of fixing of porous backed tiles $\geq 3\%$)

Suitable Tile Types include:

- Ceramic
- Mosaic
- Natural stone not sensitive to moisture

Not suitable for use with porcelain tiles greater than 200x200 size. For these applications use Davco SMP EVO adhesive.

CHARACTERISTICS / ADVANTAGES

- Pre-mixed / no wastage
- White colour
- Non slump

ENVIRONMENTAL INFORMATION

Low VOC Specification for V2 IEQ-13, V1.1 IEQ-11

PRODUCT INFORMATION

Product Declaration	D1TE AS ISO 13007 Classification.
Packaging	4Ltr & 15Ltr pails
Shelf life	12 Months from date of manufacture.
Storage conditions	Store in dry cool conditions out of direct sunshine.
Appearance / Colour	White paste.

APPLICATION INFORMATION

Consumption	A 4 Litre pail will cover approximately 3m ² with a 6mm notch trowel. A 15 Pail will cover approximately 11m ² with a 6mm notch trowel.
Layer Thickness	Layer thickness shall be no greater than 4mm.

Ambient Air Temperature	Min +5°C to Max 35°C	
Substrate Temperature	Min +5°C to Max 35°C	
Open Time	30 Minutes.	
Adjustability Time	45 Minutes.	
Applied Product Ready for Use	Set time before grouting*	24 hours
	Set time before dry area service*	48 hours
	Set time before wet area service*	7 days

- All measurements are taken at 22°C & 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.
- Cool or cold weather will extend drying times of premixed adhesives.
- Non porous tiles will greatly extend drying time of adhesive.
- Drying time over membranes will be greatly extended.

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.

*Tiles larger than 200x200 size must have a porous base (greater than 3%).

IMPORTANT CONSIDERATIONS

- Test product in an inconspicuous area first.
- Not suitable for use over concrete substrates, use a suitable Davco cement based adhesive.
- Not suitable for moisture sensitive stone.
- Davco Supamastic is suitable for adhering porous (>3% absorption) tiles over Davco Waterproof membranes (k10 Plus, Dampfast, K10 Rapid, & K12) for wall only. However the drying time will be greatly extended, and extra drying time shall be required prior to grouting.
- Mechanical fixing techniques are required when used externally above 3 meter high.
- For uses not mentions in this document please seek further technical advice from 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.

APPLICATION INSTRUCTIONS

EQUIPMENT

Select a trowel with a suitable notch size for the tile size and type as per the following:

Tile Size	Trowel notch size	Back buttering required
Mosaics	4-6mm	No
150x150	6mm	No
200x200	8mm	No
300x300	10mm	No
400x400*	12mm	Yes
600x300*	12mm	Yes

SUBSTRATE QUALITY / PRE-TREATMENT

- All surfaces must be installed according to manufacturer's instructions and relevant standard(s) and be structurally sound, dry, clean, and free from movement, oil, grease, wax, curing compounds, release agents and any other loose material or bond inhibitor. 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 substrate. Expose at least 80% of the original substrate of painted surfaces.
- Substrates shall meet minimum deflection standards L/360 for tiles or L/720 for natural stone
- Surfaces shall be primed as per the below

Substrate	Prime with
Rendered block or brick-work	Davco Ultraprime or Davco Primex
Fibre Cement Sheet	Davco Ultraprime or Davco Primex
Plasterboard	Davco Ultraprime or Davco Primex

APPLICATION

Laying the Tiles

1. Place the adhesive onto the prepared and primed substrate. Do not apply more adhesive than can be tiles within the open time of the product, usually from a single tile to 1m².
2. Hold the notched trowel at an angle of 60° or greater to the substrate.
3. Spread the adhesive over the required area where tile is to be applied, comb the adhesive in a single direction (not swirls).
4. Where "back buttering" the tile is required, use the flat side of the notched trowel to apply a thin adhesive layer to the back of the tile (approx 1-2mm thick).
5. Place the tile into the combed adhesive and press the tile firmly.
6. Move the tile forward and then back at 90° across the direction of the combed adhesive to flatten the adhesive to leave no voids under the tile. Occasionally lift a tile to check the adhesive covers 90-100% of the tile.
7. Remove any excess adhesive in the joints, and on the face of the tile with a sponge and water while the adhesive is still wet.
 - Do not allow the adhesive to skin prior to placement of the tiles. If the adhesive skins, remove and replace.
 - Application shall be in accordance with AS3958.1
 - Movement joints shall be installed in accordance with applicable standards.
 - Back buttering the tiles may be required to achieve minimum coverage requirements.
 - Allow the adhesive to dry prior to grouting.

CLEANING OF TOOLS

Sika Australia Pty Limited

ABN 12 001 342 329
Clean tools and equipment with water prior to adhesive drying.
aus.sika.com
Tel: 1300 2233 48

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations



Product Data Sheet

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November 2023, Version 01.02

02171020000000037

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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