



# SMP EVO

## PREMIUM GRADE, FLEXIBLE, CEMENT BASED TILE ADHESIVE

Classification: C2S1TE (BS EN 12004:2007)



**ECO FRIENDLY**



**LOW CARBON FOOTPRINT**



**FLEXIBLE**

### DESCRIPTION

Davco SMP EVO is a premium grade, flexible, tile adhesive for fixing of vitrified, porcelain, monocuttura, marble, slate and ceramic tiles.

Davco SMP EVO is classified as C2S1TE when tested in accordance to BS EN 12004:2007.

### USES

Used for external pavers, tiles or stones subject to traffic. For PPVC, PBU and modular construction method.

Installation of tiles on drywall, concrete, cement render and concrete blockwork and rendered brickwork, in both interior and exterior application.

### ADVANTAGES

Its anti slip property enables easy installation of tiles on walls and floors in both interior and exterior applications.

Highly water resistant, for wet areas such as concrete swimming pools and spas.

Non-corrosive, non-toxic and resistant to chemicals.

### SURFACE PREPARATION

All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax and other contaminants. Painted surfaces must be scabbled to expose at least 75% of clean surface. Expansion joints coinciding with joints in the substrate should be incorporated at the design stage at a maximum of 5 metre spacings and must not be tiled over. Movement joints that are 6mm wide can be filled with Davco Sanitized® Colorfiller 80.

Newly rendered surfaces must be allowed to cure for at least 7 days. Very porous surfaces should be primed with Davco 124 Ultraprime or Davco Acrylic Primer. Steel trowel finished concrete must be acid-etched or wire-brushed prior to tiling.

### TECHNICAL DATA

Appearance	Grey or White powder
Specific Density	1.4 ± 0.1 kg/litre
Tensile Adhesion Bond Strength BS EN 12004:2007	
@ 28 days	≥ 1.0 N/mm <sup>2</sup>
@ 7 days after water immersion	≥ 1.0 N/mm <sup>2</sup>
@ 14 days after heat ageing	≥ 1.0 N/mm <sup>2</sup>
Open Time @ 25°C	Up to 30 minutes
Transverse Deformation BS EN 12002:2008	2.5mm - 3.9mm
Slip Resistance BS EN 1308:2007	≤ 0.5 mm
Pot Life	1 hour approx.
Trafficable	After 24 hours

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

### MIXING

Add Davco SMP EVO to liquid component, mix constantly until a thick, creamy consistency is achieved.

Mixing ratio is 25kg of Davco SMP EVO powder to approximately 6 - 7 litres of water.

Allow the mixture to stand for 10 minutes, remix, then use the adhesive.





# SMP EVO

## APPLICATION

Spread the adhesive onto the substrate using either a 6mm x 6mm to 12mm x 12mm notched trowel for wall tiling, or a 12mm x 12mm to 20mm x 20mm notched trowel for floor tiling. The choice of the trowel should be governed by the size of the tiles, depth of knobs, grooves or ridges on the back of the tiles and the evenness of the substrate.

A 6mm x 6mm notched trowel can be used to lay mosaic tiles.

Spread approximately 1.2 - 1.5m<sup>2</sup> at one time.

Ensure that there are no voids under the tiles.

It is important to butter coat the back of the tiles to improve adhesion and avoid hollowness especially for large format tiles and tiles with grooves and ridges.

In cases where the tile has no or very low water absorption rate, or where the the back of tile has been pre-coated with an impervious film that may cause debonding, an adhesion promoter/primer e.g. Davco T Prime can be applied.

## Grouting after tile installation

Grouting should preferably be carried out at least 24 hours after the completion of tiling.

For grout joints up to 4mm wide use Davco Sanitized® Coloured Grout ECO (CFG).

For grout joints above 4mm wide use Davco Sanitized® Colorfiller 80.

## PACKAGING

Available in 25 kg bag.

## COVERAGE

Using a 6mm x 6mm notched trowel, approximately 3.5 kg/m<sup>2</sup>.

Using a 12mm x 12mm notched trowel, approximately 7.0 kg/m<sup>2</sup>.

Using a 20mm x 20mm notched trowel, approximately 11.9 kg/m<sup>2</sup>.

## Sika (Singapore) Pte Ltd.

28 Tuas South Avenue 8 Singapore 637648

Tel: (65) 6861 0632 • Fax: (65) 6862 1172

Email: sales@sg.sika.com

Website: www.sika.com.sg

Online Store: davco-online.com.sg

Updated Dec 2022

## PRECAUTIONS

Not suitable for moisture sensitive stone, please use Davco 2-Part Rapid instead.

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.

Do not apply in temperatures above 35°C or below 10°C.

In cool and / or humid conditions, allow longer setting times.

## SHELF LIFE

Shelf life of up to 12 months in unopened bags, when stored in a cool dry elevated position.

## CLEANING

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

## HEALTH & SAFETY

This product contains cement which may cause dermatitis. It is recommended to use protective gloves during handling. If skin irritation occurs, seek medical attention promptly. Refer to safety data sheet.

### Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website [www.sika.com.sg](http://www.sika.com.sg)



Certificate SG09/02195



Certificate SG95/06111



Certificate SG09/50075



Certificate GMS-C / GHG / 0002

