

PRODUCT DATA SHEET

SikaCeram[®]-255 SMP EVO(formerly Davco[®] SMP EVO)

PREMIUM GRADE, FLEXIBLE, CEMENT-BASED TILE ADHESIVE (C2S1E)



DESCRIPTION

SikaCeram[®]-255 SMP EVO is a premium grade, flexible, tile adhesive for fixing of vitrified, porcelain, monocuttura, marble, slate and ceramic tiles.

USES

Used for external pavers, tiles or stones subject to traffic. For tiling in modular construction methods such as PPVC, PBU.

Installation of tiles on various substrates: drywall, concrete, cement render, concrete blockwork and rendered brickwork.

It is applicable for both interior and exterior applications.

CHARACTERISTICS / 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 swimming pools and spas.
- Non-corrosive and non-toxic.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 3436

PRODUCT INFORMATION

Packaging	25 kg/bag
Appearance / Colour	Grey or White Powder
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.
Density	1.5 ± 0.1 kg/ltr

TECHNICAL INFORMATION

Tensile Adhesion Strength	7 Days after water immersion	≥ 1.0 N/mm ²	(BS EN 12004:2007)
	14 Days after heat ageing	≥ 1.0 N/mm ²	
	28 Days	≥ 1.0 N/mm ²	
Slip Resistance	≤ 0.5 mm		(BS EN 1308:2007)

APPLICATION INFORMATION

Mixing Ratio	6 - 7 ltr of water / 25 kg bag of SikaCeram®-255 SMP EVO	
Consumption	6 mm x 6 mm notched trowel	~ 3.5 kg/m ²
	2 mm x 12 mm notched trowel	~ 7.0 kg/m ²
	20 mm x 20 mm notched trowel	~ 11.9 kg/m ²
Pot Life	~ 1 hr	
Open Time	Up to 30 minutes	(@ 25°C)
Contact Time	Recommended time before open to light traffic: > 24 hrs	

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

- Not suitable for moisture sensitive stone.
- 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.

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

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 and must not be tiled over.

Newly rendered surfaces must be allowed to cure for at least 7 days. Very porous surfaces should be primed with Sikalastic®-500 Acrylic Primer AP or other Sika primers. Steel trowel finished concrete must be acid-etched or wire-brushed prior to tiling.

MIXING

Add SikaCeram®-255 SMP EVO to a container with the recommended amount of clean water, mix constantly until a thick and creamy consistency is achieved. Allow the mixture to stand for 10 minutes, remix, then use the adhesive.

APPLICATION

- Spread the adhesive onto the substrate using either a 6 mm x 6 mm to 12 mm x 12 mm notched trowel for wall tiling, or a 12 mm x 12 mm to 20 mm x 20 mm 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 6 mm x 6 mm notched trowel can be used to lay mosaic tiles.
- Spread approximately 1.2 - 1.5 m² 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 back of tile has been pre-coated with an impervious film that may cause debonding, an adhesion promoter/primer 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 4 mm wide use SikaCeram®-658 Coloured Grout CFG.

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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