

PRODUCT DATA SHEET

SikaCeram[®]-210 SMP 2010

(formerly Davco[®] SMP 2010)

PREMIUM GRADE CEMENT-BASED TILE ADHESIVE FOR INTERIOR AND EXTERIOR APPLICATION



DESCRIPTION

SikaCeram[®]-210 SMP 2010 is a premium grade, polymer modified adhesive that is ideal for interior & exterior applications in residential and commercial work areas. It is specially formulated with low shrinkage and non-horizontal slump properties, making it ideal for installation of high quality tiles on floor and walls. SikaCeram[®]-210 SMP 2010 has a C2TE classification when tested in accordance to BS ISO 13007-1:2014

USES

- Can be used on both walls and floors, in interior and exterior applications.
- Can be used to fix tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork and compatible waterproofing membranes.
- SikaCeram[®]-210 SMP 2010 is recommended for the fixing of all types of ceramic, mosaic, fully vitrified, porcelain, terracotta, slate, quarry, natural stone, granite and marble tiles.

- When SikaCeram[®]-210 SMP 2010 is modified with SikaLatex[®]-751, it enhances its performance and the system may be used to fix tiles onto facades and screeded/rendered surfaces and to fix tiles in immersed situations (such as swimming pools, spas and similar areas).

CHARACTERISTICS / ADVANTAGES

- The extended open time of 30 min provides greater fixing efficiency over larger areas, therefore increasing productivity.
- Its anti-slip property enables easy and fast installation of tiles on walls in both interior and exterior applications.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4095

PRODUCT INFORMATION

Packaging	25 kg/bag
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.

TECHNICAL INFORMATION

Tensile Adhesion Strength	28 days	$\geq 1.0 \text{ N/mm}^2$
	After water immersion	$\geq 1.0 \text{ N/mm}^2$
	After heat ageing	$\geq 1.0 \text{ N/mm}^2$
Slip Resistance	$\leq 0.5 \text{ mm}$	

APPLICATION INFORMATION

Mixing Ratio	6.0 - 7.0 ltr of water / 25 kg of SikaCeram®-210 SMP 2010	
Consumption	6 mm X 6 mm notched trowel	~ 3.5 kg/m ²
	12 mm X 12 mm notched trowel	~ 7.0 kg/m ²
	20 mm X 20 mm notched trowel	~ 11.9 kg/m ²
Open Time	Up to 30 mins	

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

- Not suitable for moisture sensitive stone, please use a fast-setting system such as SikaCeram-277 Rapid-bond 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.

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

SUBSTRATE PREPARATION

- All surface must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other loose or contaminating materials.
- Painted surfaces must be scabbled / abraded to expose at least 80 % of the original substrate.
- Newly rendered / screeded surfaces must be allowed to cure for at least 7 days and have a wood float finish.
- Old rendered / screeded surfaces must be thoroughly cleaned prior to tiling and have a wood float finish.
- New concrete must be allowed to cure for 6 weeks and should have a wood float finish.
- Steel trowel finished concrete must be acid etched or mechanically abraded prior to tiling.
- Old concrete surfaces must be thoroughly cleaned prior to tiling. Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs.
- All surfaces, particularly porous surfaces should initially be primed/sealed using Sikalastic®-500 Acrylic Primer AP.

MIXING

Add SikaCeram®-210 SMP 2010 to a bucket of clean water mixing constantly until a thick creamy consistency is achieved. Allow the mixture to stand for 5 - 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.
- Spread approximately 1.2 - 1.5 m² at one time. Ensure that the adhesive is wet when the tiles are laid and tapped into position to ensure positive contact with the adhesive.
- Ensure 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 can be applied.

APPLICATION METHOD / TOOLS

Grouting after tile installation

- Grouting should preferably be carried out at least 24 hours after the completion of tiling.
- Pour clean water, or SikaLatex®-751 (if any movement is anticipated), in a clean mixing bucket.
- Slowly add the grout powder, stirring continuously until a lump-free, toothpaste consistency is achieved.
- Using a rubber float or squeegee, work the grout paste deep into the joints, making sure the grout is not just sitting on top.
- Remove excess grout from the surface of the tiles with the float or squeegee using a diagonal motion to avoid dislodging the embedded grout.
- A primary clean up should be done by wiping with a damp cloth or sponge.
- For enhanced colour and increased grout's flexibility and water resistance, use SikaCeram®-658 Coloured Grout CFG.

CLEANING OF TOOLS

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

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 (Singapore) Pte Ltd.

28 Tuas South Ave 8

Singapore 637648

Phone: +65 6861 0632

Fax: +65 6862 3915

Email: sales@sg.sika.com

www.sika.com.sg



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