

PRODUCT DATA SHEET

SikaCeram[®]-268 SAC 28(formerly Davco[®] SAC 28 ECO)

PREMIUM GRADE CEMENT-BASED TILE ADHESIVE



DESCRIPTION

SikaCeram[®]-268 SAC 28 is a premium grade cementitious tile adhesive that has been specially formulated with approved recycled materials and is approved by the Eco-labelling authority in Singapore as a sustainable building material.
Classified as C2S1E when tested to BS EN 12004:2007.

USES

It is suitable for the application of most tiles, including natural stones and tiles on concrete, rendered and screeded substrates.
Installation can be done on walls and floors, and in interior and exterior areas.

CHARACTERISTICS / ADVANTAGES

- Its high bonding performance and deformability make it an extremely versatile product, enabling the bonding of reduced porosity natural stone or tiles to new or old substrates.
- It is suitable for very large format tiles.
- High flexibility makes it resistant to thermal shock.
- Formulated with recycled material to reduce carbon emission.

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4096

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.

TECHNICAL INFORMATION

Tensile Adhesion Strength	28 days	$\geq 1.0 \text{ N/mm}^2$	(BS EN 12004 -2 : 2007)
	After water immersion	$\geq 1.0 \text{ N/mm}^2$	
	After heat aging	$\geq 1.0 \text{ N/mm}^2$	
Thermal Resistance	-20 °C / + 80 °C		
Transverse deformation	2.5 mm (minimum)		(BS EN 12004 -2 : 2007)

APPLICATION INFORMATION

Mixing Ratio	6 - 7 ltr of water	
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
Pot Life	~ 1 hrs	
Open Time	30 minutes at 25 °C	
Drying Time	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.

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

Substrate must be clean, sound, dust-free and free of all traces of oil, grease, wax and other contaminants. Substrate must not be running with water, or frozen. Newly rendered surfaces must be allowed to sufficiently cure before commencement of tiling. Very porous surfaces should be primed with Sikalastic®-500 Acrylic Primer AP.

MIXING

Mix SikaCeram®-268 SAC 28 to liquid component, mixing continuously until a lump-free, creamy consistency is achieved.

Allow the mix to stand for 5 - 10 minutes and remix prior to use. Mix lasts approximately 1 hour, depend on the temperature.

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
- 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 with a twisting action and tapped into position to ensure positive contact with the adhesive.
- For dual bonding, follow the above-mentioned instructions, after buttering the underside of the tile.

- Ensure there are no voids under the tiles.
- Do not allow the adhesive to skin over prior to tiling.

Grouting after tile installation

- Grouting should preferably be carried out at least 24 hours after the completion of tiling.
- Pour clean water, or if any movement is anticipated, SikaLatex®-751 in a clean mixing bucket.
- Slowly add the grout powder, stirring continuously until a lump-free, toothpaste consistency is achieved.
- It is important and necessary to butter coat the back of the tiles to improve adhesion and avoid hollow-ness especially for large format tiles and tiles with grooves and ridges.
- 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.

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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