



SAC 28 ECO

ENVIRONMENTALLY FRIENDLY CEMENT BASED TILE ADHESIVE

Classification: C2S1E (BS EN 12004:2007)



ECO FRIENDLY



LOW CARBON
FOOTPRINT



EASE OF USE

DESCRIPTION

Davco SAC 28 ECO is an environmentally friendly premium grade tile adhesive that has been specially formulated with approved recycled material and is approved by the Eco-labelling authority in Singapore as a sustainable building material.

It is suitable for tiling of natural stone and tiles to facades, terrace and balconies.

Davco SAC 28 ECO is classified as C2S1E when tested to BS EN 12004:2007.

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 formats, up to 3600sq.cm.
- Permanently flexible make it resistant to thermal shock.
- It's high waterproof properties make it suitable for bonding on submerged substrate: ponds, tanks, swimming pools, water sports centres.
- Suitable for bonding on impermeable substrate such as metal and film coatings.
- Environmentally friendly.

TECHNICAL DATA

Appearance	Grey or white powder
Tensile Adhesion Bond 28 days BS EN 12004 -2 : 2007	≥ 1.0 N/mm ²
Tensile Adhesion Bond After water immersion BS EN 12004 -2 : 2007	≥ 1.0 N/mm ²
Tensile Adhesion Bond After heat aging BS EN 12004 -2 : 2007	≥ 1.0 N/mm ²
Open time @ 25°C	Up to 30 minutes
Transverse Deformability BS EN 12004 -2 : 2007	2.5mm (minimum)
Drying time	24 hours
Temperature resistance	-20°C + 80°C
Pot Life	1 hour approx.

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.

SURFACE 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 Davco 124 Ultraprime or Davco Acrylic Primer.



BUILDING TRUST





SAC 28 ECO

MIXING

Mix Davco SAC 28 ECO to liquid component, mixing continuously until a lump-free, creamy consistency is achieved.

Mixing ratio is 25kg bag of Davco SAC 28 ECO to approximately 6 to 7 litres of water.

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 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.

Spread approximately 1.2 - 1.5m² 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, Davco Mortaflex ECO 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 hollowness especially for large format tiles and tiles with grooves and ridges.

Grouting after tile application (Con't)

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.

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.

To enhance the colour and increase the grout's durability and water resistance, use Davco CFG Additive in place of water.

COVERAGE

Using a 6mm x 6mm notched trowel, approximately 3.5 kg/m².

Using a 12mm x 12mm notched trowel, approximately 7.0 kg/m².

Using a 20mm x 20mm notched trowel, approximately 11.9 kg/m².

PACKAGING

25kg bag.

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 and goggles 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



Certificate SG09/02195



Certificate SG95/06111



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Certificate GMS-C / GHG / 0002

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