



SMP 2010

PREMIUM GRADE TILE ADHESIVE FOR INTERIOR AND EXTERIOR APPLICATION

Classification: C2TE (BS ISO 13007-1:2014)



ECO FRIENDLY



LOW CARBON
FOOTPRINT



EASE OF USE

DESCRIPTION

Davco 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.

Davco 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.

Davco SMP 2010 is recommended for the thick and thin bed fixing of all types of ceramic, mosaic, fully vitrified, porcelain, terracotta, slate, quarry, natural stone, granite and marble tiles with the exception of green marble.

When Davco SMP 2010 is modified with Davco Mortaflex ECO (diluted 1:1 with water) it enhances its performance and the system may be used to fix tiles onto facades, screed/render cured for 24 hours and fix tiles in immersed situations (such as swimming pools, spas and similar areas).

ADVANTAGES

Excellent Open Time

The extended open time of 30min, provides greater fixing efficiency over larger areas, therefore increasing productivity.

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

TECHNICAL DATA

Tensile Adhesion Bond Strength 28 days	≥ 1.0 N/mm ²
Tensile Adhesion Bond Strength After water immersion, 28 days	≥ 1.0 N/mm ²
Tensile Adhesion Bond Strength After heat ageing, 28 days	≥ 1.0 N/mm ²
Open Time @ 25 °C	Up to 30 mins
Slip Resistance	≤ 0.5 mm

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

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 Davco 124 Ultraprime or Davco Acrylic Primer.





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MIXING

Add Davco SMP 2010 to a bucket of clean water mixing constantly until a thick creamy consistency is achieved.

The mixing ratio is 25kg of Davco SMP 2010 to approximately 5.75 - 7 litres of water.

Allow the mixture to stand for 5 - 10 minutes, remix, then use the adhesive.

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 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 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.

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.

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 Davco Sanitized® Coloured Grout ECO (CFG).

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PACKAGING

Davco SMP 2010 is available in 25kg bags.

COVERAGE

Using a 6mm X 6mm notched trowel, approx. 3.5 kg/m²

Using a 12mm X 12mm notched trowel, approx. 7.0 kg/m²

Using a 20mm X 20mm notched trowel, approx. 11.9 kg/m²

SHELF LIFE

The shelf life is up to 12 months when stored unopened in elevated, cool and dry conditions.

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.

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 is alkaline and can cause dermatitis. It is recommended that applicators wear PVC or similar gloves and safety goggles. 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.



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