



RAPIDBOND

RAPID SETTING ADHESIVE

Classification: C2S1FE (BS EN 12004:2007)



ECO FRIENDLY



LOW CARBON
FOOTPRINT



EASE OF USE

DESCRIPTION

Davco Rapidbond is a single component rapid-setting flexible tile adhesive for thick and thin bed installation of tiles for locations where the tiled area needs to be put into service as quickly as possible.

Davco Rapidbond is classified as C2S1FE when tested in accordance to BS EN 12004:2007.

USES

- Fixing of ceramic, monocuttura, vitrified, mosaic and quarry tiles, slate, marble and all types of natural stone.
- Direct fixing over existing floor and wall tiles.
- Used in place of epoxy grouts for bedding and grouting if a high strength fast setting adhesive is required.

ADVANTAGES

- Bonds well on concrete, cement render, concrete blocks, rendered brickwork.
- Bonds well on previously hacked surfaces and on surfaces where a cement based patched mortar has been used.
- Suitable in areas of intermittent or continuous dampness.
- Trafficable after 4.5 hours (depends on the temperature).
- Exceeds the Australian Standard AS 2358-1990 in shear bond strength.
- No pre-soaking of tiles required.
- Water resistant.

TECHNICAL DATA

Properties

Results

Appearance	White/Grey Powder
Tensile Adhesion Strength 6 hours (BS EN 1348 : 2007)	≥ 0.3 N/mm ²
Tensile Adhesion Strength 24 hours (BS EN 1348 : 2007)	≥ 1.0 N/mm ²
Tensile Adhesion Strength after Heat Ageing @70°C for 14 days (BS EN 1348 : 2007)	≥ 1.0 N/mm ²
Tensile Adhesion Strength (7d + 21d) water immersion (BS EN 1348 : 2007)	≥ 1.0 N/mm ²
Open Time 10 mins	≥ 0.5 N/mm ²
20 mins	≥ 0.5 N/mm ²
30 mins	≥ 0.5 N/mm ²
Transverse Deformation BS EN 12002 : 2008	≥ 2.5 mm
Working Time 25°C	Approx. 30 mins
Toxicity	Non Hazardous
Flammability	Non Flammable
Pot Life	40 to 60 mins

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.



BUILDING TRUST





RAPIDBOND

SURFACE PREPARATION

All surfaces must be structurally sound, dry, clean and free from movement and any contaminants.

Newly rendered surface must be allowed to cure for at least 48 hours prior to tiling.

Old surfaces should be thoroughly cleaned using Davco Tile & Grout Cleaner or mechanical scabbling to ensure that an acceptable substrate for adhesion is prepared. Failure to comply with the above surface preparation techniques may result in lower adhesion characteristics and possible delamination.

Uneven substrates may be repaired or levelled off using Davco 137 / Davco 711 and leave to dry for at least 8 hours before the surface is ready for direct tiling using Davco Rapidbond.

MIXING

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

Mixing ratio is 20kg bag of Davco Rapidbond to approximately 4.6 – 4.9 litres of water.

APPLICATIONS

Spread the adhesive onto the substrate using a notched trowel. Size of notched trowel should be governed by the depth of knobs, grooves or ridges on the back of the evenness of the substrate.

The minimum thickness of mortar bed shall be 3mm after beating in. For heavy duty usage, the thickness shall be minimum 5-6mm.

Do not soak backing of tiles prior to applying mortar. Dampen dry backings only as needed.

Float the mortar with pressure over area no greater than can be covered with tile while mortar remains plastic. Press firmly and immediately with a twisting action onto the freshly combed mortar, tap and beat tile into place to obtain 100% contact with tile and mortar bed with no voids in the mortar.

APPLICATIONS (CON'T)

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

Wait at least 4 hours before grouting with Davco Sanitized® Coloured Grout (CFG) with CFG Additives (for faster setting) or with similar material.

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.

PACKAGING

20 kg bag.

SHELF LIFE

Shelf life of up to 6 months in unopened bags and containers when stored in a cool dry elevated position.

HEALTH AND SAFETY

Protective gloves and goggles should be used when handling this product. In case of eye splashes or excessive skin contact, thoroughly flush with water. If any ill effects should occur, 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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