



TILE BOND ECO

ENVIRONMENTALLY FRIENDLY CEMENT-BASED TILE ADHESIVE



ECO FRIENDLY



LOW CARBON
FOOTPRINT



EASE OF USE

DESCRIPTION

Davco Tilebond ECO is a factory prepacked cement based sanded dryset mortar.

Davco Tile Bond ECO when mixed with Davco Mortaflex ECO is classified as C2S1 when tested in accordance to BS EN12004 : 2007.

USES

For the installation of absorbent and non-absorbent wall and floor tiles for interior and exterior surfaces.

Davco Tile Bond ECO is used with Davco Mortaflex ECO to install non-absorbent tiles including heavy duty tiles, marbles and granite.

Can be used as a skim render or screed when gauged with Davco Mortaflex ECO and apply in minimum 5mm thick.

ADVANTAGES

Top quality control is ensured as all ingredients are batched in the factory.

Eliminates the use of inconsistent grades of sand used on site, which may contain impurities that gives efflorescence problem.

Allows for better control of cement to sand ratio mix as site mix is avoided.

Provides improved flexural strength, thus giving long lasting durability.

Upgrades tensile and shear bond strength to vertical and horizontal tiling installation.

Convenient to use as the materials is pre-packed.

MIXING & APPLICATION SUITABLE SUBSTRATE CONDITIONS

When properly prepared, suitable backings include plumb and true masonry, concrete, portland cement mortar, cured conventional wall and floor setting beds, brick, ceramic tile, terrazzo and marble.

Do not use directly over wood, masonite, plastic board, paint, asphaltic or chemically treated surfaces.

All surface must be stable, plumb and true. Surface must be well cured, clean and dry, free of wax, grease, sealers, curing compounds and other coatings.

MIXING OF DAVCO TILE BOND ECO FOR TILE INSTALLATION

Mixing ratio is 25kg of Davco Tile Bond ECO to approximately 5 - 6 litres of water for absorbent wall and floor tiles.

Add Davco Tile Bond ECO to Davco Mortaflex ECO in approximately 4.5 : 1 Powder : Liquid ratio for installation of non absorbent wall and floor tiles.

Add dry powder mortar to liquid additive. Mix thoroughly and let mortar stand for 10 minutes, then remix. Do not add any additional liquid, mortar or other ingredients after slaking period. During use, remix mortar occasionally.

For large batch or mix, use a slow speed powder mixer. Avoid whipping excessive air into the mix.

The proper mortar mix consistency is such that when applied with a notched trowel to backing of tile, the ridges formed will not flow or slump.





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APPLICATION OF DAVCO TILE BOND ECO FOR TILE INSTALLATION

- Dampen dry backings only as needed to achieve cure.
- The minimum thickness of mortar bed shall be 3mm after beating in. For heavy duty usage, the thickness shall be minimum 5-6mm.
- Float the mortar with pressure over area no greater than can be covered with tile while mortar remains plastic. Comb mortar with notched trowel within 10 minutes after applying tiles.
- Press tile firmly and immediately with a twisting action into freshly combed mortar. Tap and beat tile into place to obtain 100 percent contact between tile and mortar bed with no voids in the mortar.
- Obtaining full contact with rib-backed tile require back-buttering a layer of mortar on back of each tile prior to placing on the mortar bed.

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

GROUTING AFTER TILE INSTALLATION

Wait at least 24 hours before grouting. Do not grout if tiles still moves (see Davco Sanitized Coloured Grout ECO (CFG) data sheet for proper procedure to grouting) .

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

Davco Tile Bond ECO is packed in 25kg bag.

SHELF LIFE

Shelf life of up to 12 months when stored in a cool dry elevated place.

CLEANING

Clean tools and equipment with water before the product sets.

HEALTH & SAFETY

This product contains cement which may cause dermatitis. It is recommended to use protective gloves 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

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