



# RENOFIX ECO (RF 188)

## CEMENTITIOUS, SANDED TILE ADHESIVE



ECO FRIENDLY



LOW CARBON  
FOOTPRINT



EASE OF USE

### DESCRIPTION

Davco RenoFix ECO (RF 188) is a cementitious, sanded tile adhesive that is ideal for the installation of ceramic and homogeneous tiles onto floor and wall.

Davco RenoFix ECO (RF 188) is a sustainable building material that is formulated with approved recycle material to lower its embodied carbon footprint.

### USES

Davco RenoFix ECO (RF188) is used for the installation of absorptive and non-absorptive wall and floor tiles for interior and exterior surfaces.

For the installation of non-absorptive tiles including heavy duty tiles, marbles and granite, use Davco RenoFix ECO (RF 188) with Davco 751 or Davco Mortaflex ECO.

### ADVANTAGES

Environmentally friendly and non-toxic.

Economical and easy to use.

Better quality control as all ingredients are batched in the factory and prepacked.

Reduces efflorescence problem with graded and washed sand.

Improved durability and upgraded performance when added with Lanko 751 or Davco Mortaflex ECO.

### SUITABLE SUBSTRATE CONDITIONS

Suitable substrate include 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.

### TECHNICAL DATA

Appearance	Grey powder
Density	1.5 kg / litre
Cure Time (28°C)	24 hours
Pot life at 28°C	1 hours
Tensile Adhesion Bond Strength (under lab condition)	≥ 0.5 N/mm <sup>2</sup>
Open Time @ 25°C	Up to 15 minutes

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





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## MIXING

For absorptive wall and floor tiles, mixing ratio is 40kg of Davco RenoFix ECO (RF 188) to approximately 9.2 – 10 litres of water.

For non absorptive wall and floor tiles, mix 40kg of Davco RenoFix ECO (RF 188) with approximately 9.2 - 10 litres of Davco Mortaflex ECO, diluted 1:1 with water by volume, for enhanced bond strength.

Add dry powder mortar to liquid additive and 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.

## 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.

A 6mm x 6mm notched trowel is recommended for mosaic tiles.

Thicker bed of adhesive allow for better contact to the substrate as well as picking up unevenness especially in the case of slates.

Spread approximately 1.2 - 1.5m<sup>2</sup> 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 that there are no voids under the tiles.

Do not allow the adhesive to skin over prior to tiling.

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.

## 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.

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.

## 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 6mm x 6mm notched trowel, approximately 3.5 kg/m<sup>2</sup>.

Using 12mm x 12mm notched trowel, approximately 7.0 kg/m<sup>2</sup>.

Using 20mm x 20mm notched trowel, approximately 11.9 kg/m<sup>2</sup>.

## PACKAGING

Davco RenoFix ECO (RF 188) is packed in 40kg 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](http://www.sika.com.sg)

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