



MARBLEBOND ECO

ENVIRONMENTALLY FRIENDLY PREMIUM GRADE MARBLE ADHESIVE

Classification: C1 (BS EN 12004:2007)



ECO FRIENDLY



LOW CARBON
FOOTPRINT



EASE OF USE

DESCRIPTION

Davco Marblebond ECO is an environmentally friendly marble slab adhesive, developed with approved recycled material and is approved by the Eco-labelling authority in Singapore as a sustainable building material.

Davco Marblebond ECO is ideal for fixing marble slabs and granite tiles onto floors needing bedding layer between 5 - 12mm thick.

Davco Marblebond ECO is also suitable for fixing 300mm x 300mm x 10-12mm thick marble or granite tiles onto walls. However, for fixing heavier marble or granite slabs on walls, we recommend adding Davco Mortaflex ECO to the adhesive mix to enhance its performance.

Davco Marblebond ECO has a C1 classification when tested in accordance to BS EN 12004:2007.

USES

Davco Marblebond ECO is ideal for laying marble or granite slabs onto concrete and plaster.

Note: Different sources of marble may vary in porosity and chemical composition. If unsure, please contact us for advice on the right adhesive to use.

ADVANTAGES

- Suitable for wet areas. Davco Marblebond ECO is water resistant and can be use in toilets, kitchens.
- Excellent bond strength and consistency.
- Non-corrosive and non-toxic.

TECHNICAL DATA

Appearance	: Off White Powder
Tensile Bond Strength 28 days BS EN 12004 - 2 : 2017	≥ 0.5 N/mm ²
Tensile Bond Strength (after water immersion) BS EN 12004 - 2 : 2017	≥ 0.5 N/mm ²
Tensile Bond Strength (after heat ageing) BS EN 1346 - 2007	≥ 0.5 N/mm ²
Open Time @ 25 °C	Up to 20 minutes
Binder	White Portland Cement
Filler	Finely Graded Sand
Additives	Water soluble polymers to improve bond strength, open time and workability
Pot Life	40 min

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





MARBLEBOND ECO

SURFACE PREPARATION

Before starting work, check the condition of the surface. Only apply Davco Marblebond ECO on surfaces that are structurally sound, clean and free from dust, oil, grease, wax and loose materials. Scrap painted surface to expose the original substrate and dampen dusty masonry or concrete surfaces with water before applying Davco Marblebond ECO. Repair defective and unsound substrate before any tile installation. Steel trowel finished concrete surfaces must be acid-etched or wire brushed before tiling. Allow newly rendered surfaces to cure for at least 7 days before tile installation.

MIXING

- Add 25 kg of Davco Marblebond ECO to 5.75 - 6.25 litres of water and mix thoroughly to achieve a homogeneous, and lump free mixture.
- Allow the mixture to stand for 5 - 10 minutes, and remixed before use.

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.

Do not allow the adhesive to skin over before tiling. To prevent skinning of adhesive, spread approximately 1.2 - 1.5m² of adhesive at a time. Ensure the adhesive is moist when laying tiles and tap into position for positive contact with the adhesive.

To ensure full coverage, butter onto the back of marble or granite slab. Alternatively use notched trowel with higher ridges.

After applying Davco Marblebond ECO, firmly press and knock the tiles or slabs into position.

Ensure that there are no voids under the tiles.

APPLICATION (CON'T)

Note : It is the user's responsibility to determine the condition and suitability of all surface prior to application.

COVERAGE

Coverage varies according to surface conditions and the build up required. The following can be used as an approximate guide:

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

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

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

PACKAGING

Davco Marblebond ECO is available in 25 kg bags.

SHELF LIFE

Shelf life of up to 12 months from the date of manufacture, when stored in a cool and dry place, free from moisture contact.

CLEANING

Wash Davco Marblebond ECO off from tools and equipment with water when it is still wet.

HEALTH & SAFETY

Davco Marblebond ECO is non-hazardous. In windy conditions, wear a filter mask to avoid inhaling the powder.

Remove splashes from skin with plenty of water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention. 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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