



BUILDING TRUST



PRODUCT DATA SHEET

Davco Waterproof Screed ECO

Environmentally friendly waterproof floor screed

DESCRIPTION

Davco Waterproof Screed ECO is an environmentally friendly, non-toxic, high quality cementitious waterproof screed specially formulated with recycled materials for application to all wet areas on concrete floor substrates and surfaces under both internal and external conditions. The product is a cost-effective waterproofing system that forms a hydrophobic layer by reducing the capillaries and stopping water from penetrating into the surface

USES

- Suitable for waterproofing toilets, kitchens, bathrooms, balconies, plaza decks, parking garages, basements, tunnels etc, whenever a waterproof screed or rigid membrane is needed.
- Used in screeding and levelling of floors in void decks, residential, commercial and industrial buildings, new build or upgrading projects, etc
- As bedding mortar to receive floor tiles in wet areas as part of the tiling and waterproofing system

PRODUCT INFORMATION

Packaging	40 kg bag
Appearance / Colour	Grey powder
Shelf life	6 months from the date of production
Storage conditions	Stored in a dry place under shade free from moisture contact.
Maximum grain size	5 mm

TECHNICAL INFORMATION

Compressive strength	25 to 40 N/mm ²	(ASTM C109/109M : 2016a)
Tensile strength in flexure	> 2 N/mm ²	(ASTM C348 : 2014)

CHARACTERISTICS / ADVANTAGES

- Environmentally friendly with reduced embodied carbon footprint.
- Prepacked to ensure good consistency, good quality and convenience in handling and transportation. Minimizes shrinkage cracking
- Waterproof floor provides a continuous and permanent barrier to water.
- When Davco Waterproof Screed ECO is used in dual tanking requirements, substantial time and cost savings can be achieved.

SUSTAINABILITY

Certified Green Label product under Singapore Green Building Council (SGBC), 4 tick Leader.

APPROVALS / CERTIFICATES

Approved product in Singapore HDB Approved Material List.

Shrinkage	No crack	(Continho Ring)
Water absorption	< 5 %	(ASTM C413 : 2001 (2012))
Water penetration under pressure	< 5 mm	(DIN 1048 : Pt 5 : 1991)

APPLICATION INFORMATION

Fresh mortar density	1 700–1 900 kg/m ³	
Consumption	2.2–2.5 m ² /10 mm/40 kg/bag	
Flowability	80–120 %	(ASTM C1437 : 2015)

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound, clean, dry and free of all contaminants e.g. dirt, dust, oils, grease, coatings, surface treatments, curing compounds, etc.

Dry concrete and porous surfaces must be pre-wetted before application.

A bonding slurry coat of SikaLatex® SP bonding agent mixed with Waterproof Screed is recommended to be applied on to the substrate before application of Davco Waterproof Screed ECO.

MIXING

Add 4.2–6.4 L of clean water to Davco Waterproof Screed ECO and mix thoroughly using a handheld electrical mixer for 3–7 minutes until a homogenous lump-free paste is obtained.

APPLICATION

Apply Davco Waterproof Screed ECO onto damp and clean substrate using a long wooden/steel float or steel trowel while the mortar mix is still workable. Ensure that it is applied wet-on-wet onto substrate pre-applied with bonding agent slurry.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet
Davco Waterproof Screed ECO
August 2021, Version 01.01
020701010010000369

CURING TREATMENT

In hot and windy outdoor conditions, the screed should be protected from direct sunlight and should be cured with Sika curing compound such as Antisol curing compound to prevent rapid or excessive moisture loss and surface from cracking. Other curing practices such as covering with polythene sheets or damp hessian and constant water spraying for at least 3 days can also be done.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

DavcoWaterproofScreedECO-en-MYDAVCO-(08-2021)-1-1.pdf

