



WATERPROOF SCREED ECO

**ENVIRONMENTALLY FRIENDLY,
WATERPROOF FLOOR SCREED**



ECO FRIENDLY



**LOW CARBON
FOOTPRINT**



EASE OF USE

DESCRIPTION

Davco Waterproof Screed ECO is an environmentally friendly, non toxic, cementitious waterproof floor screed that is specially formulated with recycled material for reduced embodied carbon foot print. It is approved by Eco-labelling authority in Singapore as a sustainable building material.

Davco Waterproof Screed ECO is a single component, easy to install, and cost effective waterproofing system that provides integral waterproofing by forming a hydrophobic layer within the screed to prevent water penetration into the concrete floor.

By simply adding water and mixing with a mechanical mixer, Davco Waterproof Screed ECO yields a homogeneous mortar paste that gives good workability when applied on the floor, cement based waterproof floor screed for levelling rough and uneven concrete floors.

USES

Davco Waterproof Screed ECO is suitable for waterproofing toilets, kitchens, bathrooms, balconies, plaza decks, parking garages, basements, tunnels etc, whenever a waterproof screed or rigid membrane is needed.

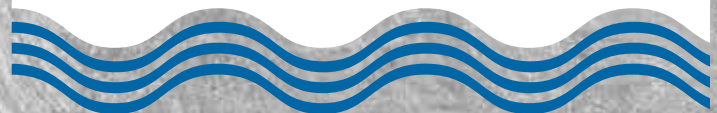
ADVANTAGES

- Environmentally friendly with reduced embodied carbon foot print.
- Prepacked to ensure good consistency, good quality and convenience in handling and transportation.
- Waterproof floor provides a continuous and permanent barrier to water.
- When Davco Waterproof Screed ECO is used, substantial time and cost savings are achieved as opposed to a membrane system, which require longer installation and supervision time.

TECHNICAL DATA

Appearance	: Grey powder
Flexural Strength ASTM C348 : 2014	: > 2 N/mm ²
Water Absorption ASTM C413 : 2001 (2012)	: < 5%
Shrinkage (Continho Ring)	: No crack
Stiffening Time BS EN 1015 - 9 : 1999 (Method A)	
@1 N/mm ²	≤ 6 hrs
@2 N/mm ²	≤ 7 hrs
Compressive Strength ASTM C109/109M : 2016a	: 25 to 40 N/mm ²
Flow Consistency ASTM C1437 : 2015	: 80% - 120%
Water Penetration DIN 1048 : Pt 5 : 1991	: < 5 mm
Filler Material	: Graded sand
Wet Density	: 1700 - 1900 kg/m ³
Coverage	: 2.2 - 2.5m ² /10mm/40 kg/bag
Recommended Thickness	: 10mm - 40mm per layer
Max Aggregate Size	: 5mm
Pot Life	: Approximately 30 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.





WATERPROOF SCREED ECO

SURFACE PREPARATION

Receiving floor surfaces should be thoroughly cleaned of all dirt, dust and impurities, which may affect adhesion. Conventional curing compounds should be removed prior to application of Davco Waterproof Screed ECO. Prior to the application, a slurry bonding coat should be applied to ensure good adhesion.

MIXING

Add 40kg of Davco Waterproof Screed ECO to approximately 4.2 - 6.4 litres of water. Mix with a site drum mixer for 3-5 minutes until desired homogeneous mix is achieved. Ensure that it is free of lump before use.

APPLICATION

Ensure that the substrate is damp and clean without any ponding water. A bonding slurry coat should be applied before screeding and it consists of 1 part of Davco 751 or 1000 Latex mixed with approximately 0.5 to 1 part of Davco Waterproof Screed ECO. A site trial can be conducted if necessary to ensure the consistency of the slurry coat is suitable. The mixed Davco Waterproof Screed ECO mortar is then poured onto the slurry coat wet-on-wet after about 30 minutes. Compact and finish the screed in accordance to standard practice using a suitable float or trowel.

Curing

In hot ambient temperature, the screed should be cured with water spray for at least 3 days. It is important to protect the product during placement and whilst curing from direct sunlight and winds. This is to prevent rapid dehydration or desiccation (excessive moisture loss).

PACKAGING

Davco Waterproof Screed ECO is supplied in 40kg bag.

SHELF LIFE

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

HEALTH & SAFETY

If in contact with skin, 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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