



# FLOOR SCREED ECO

**ENVIRONMENTALLY FRIENDLY,  
FLOOR SCREED**



**ECO FRIENDLY**



**LOW CARBON  
FOOTPRINT**



**EASE OF USE**

## DESCRIPTION

Davco Floor Screed ECO is an environmentally friendly cementitious floor screed comprising of Ordinary Portland Cement, approved recycled material, graded sand and chemical additives to meet stringent requirements. It is approved by the Eco-labelling authority in Singapore as a sustainable building material.

Davco Floor Screed ECO provides good workability by simply adding water to mix on site and is ideal for casting onto new or old concrete floor.

## USES

Davco Floor Screed ECO is suitable for use as a normal screed on new concrete substrates, or to repair old worn-out substrates in housing estates or industrial floors. It can be used for internal as well as external applications.

## ADVANTAGES

- Environmentally friendly and non-toxic.
- Premixed to ensure good consistent quality and mix.
- Easy to use by simply adding water.
- Prepacked for convenience in handling.
- Eliminates all surface crack lines.
- Good weather resistance and high durability.

## TECHNICAL DATA

Appearance	: Grey
Compressive Strength ASTM C109 : 2016a	: 25 to 40 N/mm <sup>2</sup>
Stiffening Time BS EN 1015 : Part 9 : 1999 (Method A)	
@ 1 N/mm <sup>2</sup>	: ≤ 6 hrs
@ 2 N/mm <sup>2</sup>	: ≤ 7 hrs
Flow ASTM 1437 - 2015	: 80 - 120
Flexural Strength ASTM C348 : 2014	: > 2 N/mm <sup>2</sup>
Water Absorption (%) ASTM C413 : 2001 (Reapproved 2012)	: < 5%
Shrinkage (Continho Ring)	: No crack
Water Retentivity BS 4551 : 2005 + A2 : 2013	: > 90
Binder	: Ordinary Portland Cement
Filler Material	: Graded Silica Sand
Recommended Thickness:	: 10 - 40 mm per layer
Wet Density	: Approx. 1800 - 2000 kg/m <sup>3</sup>
Coverage	: Approx. 2.2 - 2.5m <sup>2</sup> / 10mm thick / 40 kg bag
Maximum Aggregate Size:	: 5mm
Pot Life	: Approximately 40 minutes after mixing

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.





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## SURFACE PREPARATION

Remove all dust, oil and debris. Dampen the dry concrete surface before application of Davco Floor Screed ECO.

For old worn out substrate, the surface should be hacked off and primed with bonding agent before applying Davco Floor Screed ECO.

## MIXING

Add 40 kg of Davco Floor Screed ECO to approximately 4.2 - 6.0 litres of water. Mix with a site drum mixer for 3 - 5 minutes until the 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. Compact and finish Davco Floor Screed ECO in accordance with standard practice by using a wooden float or steel trowel where appropriate.

## 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).

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 Floor Screed ECO. A site trial can be conducted if necessary to ensure the consistency of the slurry coat is suitable. The mixed Davco Floor 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.

## PRECAUTIONS

Organic matters are naturally occurring in sand, a major raw material of Davco Floor Screed ECO.

When used as a final finish, it is normal for the floor screed to have some stains and blemishes on the surface, coming from these organic matters.

They have no effect on the surface or the screed's performance and will disappear over time with wear and usage of the floor area.

## PACKAGING

Davco Floor Screed ECO is supplied in 40 kg 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](http://www.sika.com.sg)

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