

## PRODUCT DATA SHEET

# Sika® Eco Systems Eco Screed

A PREBLENDED CEMENT BASED SCREED FOR UNDER TILE APPLICATIONS

### DESCRIPTION

Sika® Eco Systems Eco Screed is a preblended cement based economical screed consisting of selected graded aggregates, portland cement and selected additives.

### CHARACTERISTICS / ADVANTAGES

- Pre-blended ready to mix with water
- Convenient to move around construction sites
- Controlled consistent performance and mix.
- Installation of tiles may commence after 24 hours.

### USES

Sika® Eco Systems Eco Screed can be used as a bonded screed from 15mm - 100mm in a single application.

Sika® Eco Systems Eco Screed can be used unbonded from 30mm - 100mm unbonded in a single application.

Sika® Eco Systems Eco Screed can be used internally & externally.

### PRODUCT INFORMATION

<b>Composition</b>	Selected graded aggregates, portland cement, & special additives
<b>Packaging</b>	20kg Bags
<b>Appearance / Colour</b>	Grey powder
<b>Shelf life</b>	12 Months from date of manufacture.
<b>Storage conditions</b>	Store off ground in dry cool conditions (high humidity will reduce shelf life).

### APPLICATION INFORMATION

<b>Mixing ratio</b>	1.8 - 2.1 Litres of clean water per 20kg bag.
<b>Consumption</b>	1 Bag of product mixed with 2Litres of water with cover approximately 1m <sup>2</sup> at 10mm thickness.
<b>Layer thickness</b>	Bonded: Minimum 15mm - 100mm thickness Unbonded: 40mm - 100mm thickness
<b>Pot Life</b>	Approximately 2 hours at 23°C & 50% RH

# APPLICATION INSTRUCTIONS

## SUBSTRATE QUALITY / PRE-TREATMENT

- All substrates under loads must not exceed L/360 to tiles and L/450 for stone applications.
- Substrates must be properly cured, structurally sound, free from loose or friable particles, clean, dry and free from contaminants such as dust, dirt, oil, grease, curing compounds, laitance or efflorescence.
- Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preparation techniques, such as water blasting, scarification, or blast cleaning in order to remove all traces of any materials that could reduce the products adhesion to the substrate.
- Concrete with compressive strength greater than 35Mpa will need mechanical preparation prior to application.

## EQUIPMENT

Mixing can be undertaken with slow speed mixing drill & pail, cement mixer or forced drum mixer. For best results use forced drum mixer or cement mixer.

## MIXING

Slowly add the powder to the clean cool water and mix to a semi-dry consistency for 2-3 minutes. Once the Sika® Eco Systems Eco Screed is mixed product shall be used without wait time.

## APPLICATION

### Bonded Screed Application: 15mm - 100mm

Priming: Eco Prime WB

Prior to placement of the Sika® Eco Systems Eco Screed apply a bond coat.

Bond Coat: Promaxset Plus or Prohesive MegaLite  
Mixing ratio Promaxset Plus: 6.5 -6.8 Litres water per bag

Mixing ratio MegaLite: 6.7 - 7 Litres or water per 13.5kg bag

Apply the mixed bond coat to the clean substrate with a trowel, or broom to a depth of 2mm - 2.5mm. While the bond coat is still wet and tacky apply the Sika® Eco Systems Eco Screed and compact, and screed to falls as required. Should the bond coat skin prior to placement of screed, remove and replace. A bond coat shall be applied to the edges of screed that have dried from previous applications.

### Unbonded Screed Application: 30mm - 100mm

Prior to placement of the Sika® Eco Systems Eco Screed install a double layer of polyethylene sheet, lapped and taped to the substrate. Place the Sika® Eco Systems Eco Screed onto the polyethylene sheet and install galvanised wire as per AS 3958.1 to approximately half the total depth of the screed and apply additional Sika® Eco Systems Eco Screed to cover. Compact, and screed to falls as required.

## CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water while the screed is still wet.

## IMPORTANT CONSIDERATIONS

- The performance of portland cement based materials are compromised when used above 35°C and below 5°C.
- Do not apply over substrates that may be subject to shrinkage after application.
- Sika® Eco Systems Eco Screed is designed to be covered by a tile, and not left exposed.
- Efflorescence is beyond the control of the manufacturer.
- Expansion joint must be installed as per AS ISO 3958.1-2007.

## 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.

## LOCAL RESTRICTIONS

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

## 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.

## 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.

**Sika Australia Pty Limited**  
ABN 12 001 342 329  
[aus.sika.com](http://aus.sika.com)  
Tel: 1300 22 33 48



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