

## PRODUCT DATA SHEET

# SikaScreed®-141 Primo

(formerly Davco® Primo Screed - ECO)

## PREMIUM SCREED FOR INDUSTRIAL FLOORS

### DESCRIPTION

SikaScreed®-141 Primo is a premium, prepacked floor screed designed for demanding industrial and commercial applications, where heavy loads and high traffic are expected.

SikaScreed®-141 Primo provides good workability with just the addition of water, making it easy to mix on site, and is suitable for casting over both new and existing concrete floors.

### USES

SikaScreed®-141 Primo is suitable for use as a screeding material on new concrete substrates, or to repair old worn-out substrates in housing estates and industrial factories. It can be used for internal as well as external applications.

### CHARACTERISTICS / ADVANTAGES

- High compressive strength.
- Premixed in factory to ensure consistent quality.
- Easy to use by simply adding water.
- Prepacked for convenience in handling.
- Reduces or eliminates surface crack lines.
- Good weather resistance and high durability.
- Non-toxic.

### PRODUCT INFORMATION

Packaging	40 kg/bag
Appearance / Colour	Grey Powder
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.
Density	1,900 - 2,200 kg/m <sup>3</sup> (Wet)
Maximum Grain Size	5 mm

### TECHNICAL INFORMATION

Compressive Strength	> 50 N/mm <sup>2</sup>	(ASTM C109 : 2016a)
Tensile Strength in Flexure	> 8 N/mm <sup>2</sup>	(ASTM C348 : 2014)
Shrinkage	No crack	(Coutinho Ring)

Flow Rate	> 84	(ASTM 1437 - 2015)
Water Absorption	< 5%	(ASTM C413 : 2001 (Reapproved 2012))

## APPLICATION INFORMATION

Mixing Ratio	Approximately 4.6 - 6.0 litres of water / 40 kg bag		
Consumption	Approx. 1.9 - 2.3 m <sup>2</sup> / 40 kg bag at 10 mm thick		
Layer Thickness	10 - 50 mm per layer		
Pot Life	~ 40 minutes after mixing		
Setting Time	1 N/mm <sup>2</sup>	≤ 6 hrs	(BS EN 1015 : Part 9 : 1999 (Method A))
	2 N/mm <sup>2</sup>	≤ 7 hrs	

## 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.

## FURTHER DOCUMENTS

Organic matters are naturally occurring in sand, a major raw material of SikaScreed®-141 Primo. 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 and will disappear over time with wear and usage of the floor area.

## 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.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

Remove all dust, oil and debris. Dampen the dry concrete surface before application of SikaScreed®-141 Primo.

For old worn out and hollow substrates, the surface should be hacked off and primed with bonding slurry coat before applying SikaScreed®-141 Primo.

### SUBSTRATE QUALITY / PRE-TREATMENT

A bonding slurry coat should be applied before screeding and it consists of 1 part of SikaLatex®-751 or SikaLatex®-1000 mixed with approximately 0.5 to 1 part of SikaScreed®-141 Primo.

### MIXING

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

A site trial can be conducted if necessary to ensure the consistency of the slurry coat is suitable. The mixed SikaScreed®-141 Primo 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 TREATMENT

In hot ambient temperatures and windy outdoor environment, the screed should be shielded from direct sunlight and be cured with water spray or appropriate curing compound for a few days to prevent rapid or excessive moisture loss and surface from cracking.

## 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 (Singapore) Pte Ltd.**

28 Tuas South Ave 8

Singapore 637648

Phone: +65 6861 0632

Fax: +65 6862 3915

Email: [sales@sg.sika.com](mailto:sales@sg.sika.com)

[www.sika.com.sg](http://www.sika.com.sg)



### **Product Data Sheet**

**SikaScreed®-141 Primo**

March 2025, Version 01.01

020815020010000202

SikaScreed-141Primo-en-SG-(03-2025)-1-1.pdf