

## PRODUCT DATA SHEET

# Davco® PD-106 High Fluidity Screed

Quick-drying anti-cracking cementious self-levelling screed

## DESCRIPTION

PD 106 consists of high-quality special cement, fine aggregates, anti-cracking components and a variety of additives, the product has good mobility, automatic levelling for the floor, easy to operate, saving labor cost. The thickness of one-time construction can be up to 40mm, at room temperature, it can be manned in 4 hours, and the next process can be carried out in 24 hours at the earliest. Shorten the working period and save space.

## USES

- Concrete, cement mortar and other substrates.
- Levelling of indoor floors in homes, offices and public buildings.
- Levelling of substrates for laying tiles, wooden floors and carpets.

## CHARACTERISTICS / ADVANTAGES

- A construction thickness of 5-40mm.
- Excellent fluidity, no water seepage layer.
- Convenient and efficient, fast drying and early strength.
- High bonding strength, no drumming and shedding.
- High compressive strength, good anti-cracking effect.
- Green material, health and environmental protection.

## APPROVALS / STANDARDS

JC/T 985-2017 Cement-based self-levelling mortar for floors SLU C20F4

BS EN13892 Compressive, Flexural and Bond Strength

## PRODUCT INFORMATION

Chemical Base	Polymer Modified Cement Mortar
Packaging	25kg/bag
Appearance / Colour	Grey Powder
Shelf Life	6 Months
Storage Conditions	Store unopened product in a dry, cool, ventilated place

## TECHNICAL INFORMATION

Resistance to Impact	No cracking or detachment from the base plate JC/T 985
Compressive Strength	>34 MPa (28 days) (BS EN 13892-2)
Tensile Strength in Flexure	>7 MPa (28 days) (BS EN13892-2)
Shrinkage	-0.15+0.15 JC/T 985
Dimensional Stability	-0.15+0.15 JC/T 985

<b>Tensile Adhesion Strength</b>	>2 MPa (28 days) (BS EN13892-8)
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<b>Flow Rate</b>	146mm (BS EN12706)
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## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Approximately 5.4L of water per 25kg bag
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<b>Layer Thickness</b>	5-40mm
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<b>Substrate Temperature</b>	+5 °C min /+35 °C max
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<b>System Structure</b>	Primer: <ul style="list-style-type: none"><li>▪ light porous concrete surface: Ronafix®/Sika Latex® mixed with water at ratio 1:3</li><li>▪ high porous concrete surface: Sikadur® 732</li></ul> Leveling: <ul style="list-style-type: none"><li>▪ Davco® PD-106: ~17 kg/m<sup>2</sup>/10mm</li></ul>
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## 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.

## LIMITATIONS

- Applications of Davco® PD-106 which are too thin can result in a chalky or dusty finish that is unsuitable for painting or subsequent applications.
- Applications of Davco® PD-106 on very porous or dry substrates can result in a chalky or dusty finish that is unsuitable for painting or subsequent applications.

## 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

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound, clean, dry and free of all contaminants e.g. dirt, oils, grease, coatings, surface treatments, etc. If in doubt, apply a test area first. Dry and pourous substrates should be dampened before application of Davco® PD-106.

### MIXING

Davco® PD-106 must be mixed with clean water using a hand-held or mechanical mixer for 3–7 minutes until a homogenous lump-free paste is achieved. The wet mix should be use within 30–45 minutes after mixing.

### APPLICATION

Apply Davco® PD-106 onto moist, clean and primed substrate using a wooden/steel float or steel trowel while the mix is still workable. It can be applied at a

recommended thickness of 10–40 mm. Davco® PD-106 should be cured for at least 7 days prior to any tiling works.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be removed mechanically.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal

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**SIKA HONGKONG LTD.**

Rm.1507-12, Blk A, New Trade Plaza,  
6 On Ping Street, Shatin, N.T., H.K.  
Phone: +852 26868108  
Fax: +852 26453671  
Mail: [marketing@hk.sika.com](mailto:marketing@hk.sika.com)  
Website: [www.sika.com.hk](http://www.sika.com.hk)



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