BUILDING TRUST

PRODUCT DATA SHEET

SikaLevel®-137 APCC SL

(formerly Davco® 137 Latex SL)

ACRYLIC POLYMER CEMENTITIOUS SELF-LEVELLING OVERLAYMENT

DESCRIPTION

SikaLevel®-137 APCC SL is two-component acrylic polymer cementitious self-levelling compound that is highly fluid, can be feather-edged and has good compressive strength, making it ideal for repair of large areas.
SikaLevel®-137 APCC SL, when coated with a top coat Sikafloor®-336 PU TopCoat, enhances slip, stain and abrasion resistance and forms a flooring system that is durable, easy to maintain, and suitable for internal and external use.

USES

Suitable for both internal and external applications e.g. footpath apron, void deck and foot-trafficable area.

Repair, fill and level new or old and damaged concrete surfaces.
Compatible with cementitious materials like tile adhesives.

CHARACTERISTICS / ADVANTAGES

- Application thickness ranges from 3 to 10mm
- Can be used to repair damages on concrete floors, pavements, etc.
- Good flowability and easy to apply
- Can be exposed or concealed

PRODUCT INFORMATION

Packaging	Part A : 5 ltr/pail Part B : 25 kg/bag
Appearance / Colour	Part A : Liquid Part B : Powder
Shelf Life	6 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.

TECHNICAL INFORMATION

Abrasion Resistance	**Taber Abrasion** Shall not exceed 1.5 g weigh loss per 1000 cycles	(ASTM D4060 : 2014)
Compressive Strength	≥ 35 N/mm²	(ASTM 109 / 109M : 2016a)
Tensile Strength in Flexure	≥ 8 N/mm²	(ASTM C348 : 2018)

Tensile Strength	≥ 5 N/mm²			(ASTM C307 : 2003 (2012))
Tensile Adhesion Strength	≥ 1.0 N/mm²			BS EN 13892-8:2002
Resistance to Weathering	**UV Accelerated Weathering**			
	100 hrs	500 hrs	No cracking, softening or delamination after exposure	(ASTM G154 : 2016)

APPLICATION INFORMATION

Mixing Ratio

Part A : 4.5 - 5.0 ltr
Part B : 25 kg

Consumption

One set of SikaLevel®-137 APCC SL will cover approximately:

Coverage	Thickness
13.5 m²	1 mm
6.75 m²	2 mm
4.5 m²	3 mm

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.

IMPORTANT CONSIDERATIONS

- Construction joints in the sub-floor must be detailed through SikaLevel®-137 APCC SL to prevent cracking.
- Do not use SikaLevel®-137 APCC SL over a substrate with a high moisture content or that is subject to rising dampness.
- Do not mix or apply SikaLevel®-137 APCC SL when temperatures are below 5°C and above 35°C.
- Also, do not apply if temperatures are expected to reach these levels for at least 24 hours after application.
- Do not use SikaLevel®-137 APCC SL in applications where it will be subject to permanent water immersion.
- Where possible, test areas are recommended to ensure the suitability of the product for the intended use. This should include the floor finishing.

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.

SURFACE PREPARATION

The substrate must be clean, sound, dry, dust-free without any traces of oil, laitance, curing compound and other contaminants.
Concrete substrate must be fully cured for at least 28 days.
Deeply contaminated substrate must be abraded to clean and sound surface.
Prime the substrate with Sikalastic®-500 Acrylic Primer AP or equivalent Sika primers and allowed to dry. This improves adhesion, extends reflow and greatly reduces pinholes in the completed floor.
Sikalastic®-500 Acrylic Primer AP is used directly from the container, no dilution is needed.

MIXING

Pour SikaLevel®-137 APCC SL Part A (liquid) into a 20 ltr pail and slowly add Part B (Powder). Stir with a high speed mechanical mixer until a lump-free and flowable mixture is obtained.
Material must be used within 20 minutes after mixing at 25°C. Any material over 20 minutes old should be discarded and not used.
NO ADDITION OF WATER IS ALLOWED.

APPLICATION

Pour the well-mixed flowable SikaLevel®-137 APCC SL onto the primed floor surface. Use a big metal trowel or squeegee to spread the material evenly to the required thickness and allow the material to seek its own level. Use spike rollers immediately to remove any entrapped air in the material.

Open to pedestrians: around 1-2 hours depending on ambient temperature and site conditions. Allow SikaLevel®-137 APCC SL to set for 24 hours before applying Sikalastic®-500 Acrylic Primer AP followed by Sikafloor®-336 PU TopCoat.
In external applications, special care needs to be taken to protect the product from direct sunlight and high winds during curing to prevent rapid hydration or excessive loss of moisture.

CLEANING OF TOOLS

- Clean mixing and application equipment with water immediately following use.
- Remove splatter or spills with water before material sets.
- SikaLevel®-137 APCC SL contains cementitious materials and if allowed to dry, removal becomes extremely difficult.

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.

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