



Davco

137 LATEX SL

ACRYLIC POLYMER CEMENTITIOUS BASED SELF LEVELLING OVERLAYMENT



ECO FRIENDLY



HIGH STRENGTH



HIGH FLUIDITY

DESCRIPTION

Davco 137 is two-component acrylic polymer cementitious based self-levelling compound that is highly fluid, can be feather-edged and has compressive strength properties like that of concrete, making it ideal for repair of large open areas. Davco 137, coated with Davco 133 PU Topcoat which enhances slip, stain and abrasion resistance, forms a flooring system that is durable, easy to maintain, and suitable for internal and external use.

USES

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

Repair, fill and level new or old and damaged concrete surfaces.

Compatible with commonly used tile adhesives.

ADVANTAGES

- Application thickness : 3 to 10mm.
- As a repair layer.
- Hydraulic, ready-to-mix product.
- Can be covered or exposed.

SURFACE PREPARATION

The substrate must be clean, sound, dust free without any traces of oil, laitance, curing compound and other contaminants.

The substrate must be fully cured and dry with low moisture content.

Deeply contaminated substrate must be abraded to clean and sound surface.

Prime the substrate with Davco Acrylic Primer and allow to dry.

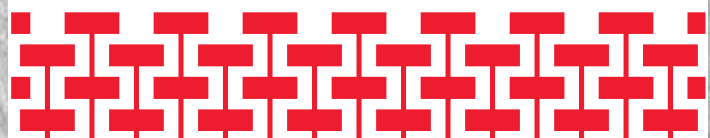
This will improve adhesion, extend reflow and greatly reduce pinhole in the finished floor. Use Davco Acrylic Primer directly from the container - do not dilute.

TECHNICAL DATA

Compressive Strength ASTM 109 / 109M : 2016a	At least 35 N/mm ²
Flexural Strength ASTM C348 : 2014	At least 8 N/mm ²
Tensile Strength ASTM C307 : 2003 (2012)	At least 5 N/mm ²
UV Accelerated Weathering ASTM G154 : 2016 500 hrs 100 hrs	No cracking, softening or delamination after exposure
Skid Resistance ASTM E303 : 1993 (2013)	At least 55 BPN (wet condition) on wooden trowel
Taber Abrasion ASTM D4060 : 2014	Shall not exceed 1.5 g weigh loss per 1000 cycles
Shear Bond Adhesive ASTM C482 : 2002 (2014)	Shall be 2.0 N/mm ²
Water Penetration DIN 1048-5 PT5 : 1991	Penetration depth shall not exceed 5mm
Polymer Identification ADM / C&B / 002 : 2010	Shall not contain any trace or elements of polyvinyl acetates (PVAs)

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.

BUILDING TRUST





137 LATEX SL

MIXING

Pour Davco 137 Part A (liquid) into a 20 litres pail and slowly add Part B (Powder). Stir with a high speed mechanical mixer until a lump-free and flowable mixture is obtained.

Davco 137 should not be over-mixed, or re-mixed with additional water.

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 water should be added once the mixture is left to stand.

Mixing Ratio

Davco 137 Latex SL Part A 4.5 - 5.0 litres.

Davco 137 Latex SL Part B 25kg.

APPLICATIONS

Pump or hand pour Davco 137 on the primed surface. Move it into approximate position with a floor spreader, and allow the material to seek its own level. Use spike rollers to deaerate the self-leveller.

Open to pedestrians: around 1-2 hours (depend on site condition) depending on temperature. Allow Davco 137 to set for 24 hours before applying Davco Acrylic Primer followed by Davco 133 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.

COVERAGE

One set of Davco 137 will cover approximately:

- 13.5m² at 1mm thickness.
- 6.75m² at 2mm thickness.
- 4.5m² at 3mm thickness.

PACKAGING

Part A : 5 litres liquid and Part B : 25 kg powder.

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SHELF LIFE / STORAGE

6 months from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

CLEANING

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

RECOMMENDATIONS

- Construction joints in the sub-floor must be detailed through Davco 137 to prevent cracking.
- Do not use Davco 137 over a slab with a high moisture content or that is subject to rising dampness.
- Do not mix or apply Davco 137 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 Davco 137 in applications where it will be subject to permanent immersion.
- Where possible, test areas are recommended to ensure the suitability of the product for the intended use. This should include the floor finishing.
- 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



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