



133 PRO LEVEL

SELF LEVELLING MORTAR FOR INTERNAL & EXTERNAL APPLICATIONS



ECO FRIENDLY



HIGH STRENGTH



HIGH FLUIDITY

DESCRIPTION

Davco 133 Pro Level is a cement based, high strength self leveling overlayment designed for internal and external use. Davco 133 Pro Level can be feather edged and has properties similar to that of concrete. A high fluid and consistent mix producing a smooth level and hard surface can be achieved on site with only the addition of water.

Davco 133 Pro Level is formulated to be versatile self levelling screed with application thickness up to 30mm, and is suitable for indoor and outdoor application.

USES

- Suitable for both internal or external usage.
- Repair, fill and level new or old concrete surfaces.
- Compatible with commonly used tile adhesive.

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 124 Ultraprime / Davco Acrylic Primer and allow to dry

This will improve adhesion, extend reflow and greatly reduce pinhole in the finish floor. Use Davco 124 Ultraprime / Davco Acrylic Primer directly from the container - do not dilute.

TECHNICAL DATA

Setting Time*

Temperature @ 27°C

Initial setting < 2 hours

Final setting < 3 hours

* average laboratory values provided as a general guide.

Bonding Strength (MPa) at 28 days* 1.3 N/mm²

* average laboratory values provided as a general guide.

Mechanical Strength*

@ 7days > 20 N/mm²

@ 28 days > 30 N/mm²

Tensile Bending 5.3 N/mm²

* Test carried out on 4x4x16 samples, kept at 25°C and 90% humidity.

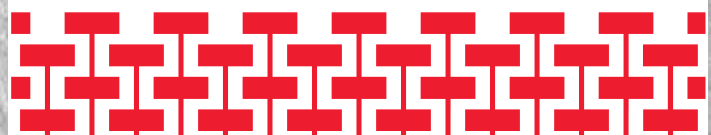
Average laboratory values provided as a general guide.

Specifications are subjected to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

ADVANTAGES

- Application thickness : 3 to 30mm.
- Hydraulic, ready-to-mix product.
- Can be covered or exposed.

BUILDING TRUST





133 PRO LEVEL

MIXING INSTRUCTIONS

Using one high speed mechanical mixer, blend one 25kg bag of Davco 133 Pro level with 5.0 to 6.0 litre of clean water until the mix is homogeneous, smooth, lump free and flowable.

Davco 133 Pro Level should not be over-watered, over-mixed, or re-mixed with additional water. If foaming and streakiness appear on top of mixture, Davco 133 Pro Level is over watered. More powder may be added immediately whilst mixing to achieve proper consistency.

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.

APPLICATIONS

Pump or hand pour Davco 133 Pro Level on the primed surface. Move it into approximate position with a floor spreader. Use spike rollers to deaerate the self leveller.

Open to pedestrians : 2 - 3 hours depending on temperature. Allow Davco 133 Pro Level to set for 4 hours before applying a coat of Davco Acrylic Primer. When the primer has dry, apply a coat of Davco 133 PU Top Coat (Floor Sealer) for ease of clean and enhanced durability.

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 25kg bag of Davco 133 Pro Level will cover approximately:

- 15m² at 1mm thickness.
- 7.5m² at 2mm thickness.
- 5m² at 3mm thickness.

PACKAGING

25 kg bag

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 133 Pro Level contains cementitious materials and if allowed to dry, removal becomes extremely difficult.

RECOMMENDATIONS

- Construction joints in the sub-floor must be detailed through Davco 133 Pro Level to prevent cracking.
- Do not use Davco 133 Pro Level over a slab with a high moisture content or that is subject to rising dampness.
- Do not mix or apply Davco 133 Pro Level 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 133 Pro Level 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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