

MAKLEVEL SKIM COAT

TECHNICAL DATA SHEET

Skim Coat Smooth Finishing Cement Based Underlayment Compound

Maklevel Skim Coat is a polymer cement based smoothing compound designed to provide a rapid drying smooth, permanent finish to a variety of internal substrates prior to the installation of floor covering such as vinyl, carpet, ceramic and marble tiles.

RECOMMENDED USES

- Apply **Maklevel Skim Coat** over rough concrete to create a fine smooth finish
- Filling minor gouges, void holes, ridges and cracks in concrete
- Smooth out imperfections on surfaces such as timber, ceramic tiles, terrazzo and quarry tiles
- Embossing filler over vinyl, sheets and tiles
- Skim coat over tiles prior to application of floor covering such as vinyl
- Skim coat over difficult to remove adhesive that has bonded well to the substrate
- Permanent finish over substrate
- Eliminates flooring installation issues associated with delamination of weak frail surfaces
- Maklevel Skim Coat eliminates flooring installation problems such as debonding, crumbling, mildew and staining
- Can be applied feather edge to 5mm
- Install floor covering after 15-20 mins after applying
- Can be sanded if required

FEATURES AND BENEFITS

- **Maklevel Skim Coat** can be mixed with water to create a smooth, creamy consistency allowing easy application
- **Maklevel Skim Coat** has a permanent finish that has high bond strength to a variety of substrates such as timber, ceramic tiles, quarry tiles, concrete, block work, cement sheeting and terrazzo
- **Maklevel Skim Coat** allows the installation of most floor coverings in as little as 15-20 minutes over concrete, wood, ceramic and quarry tile, all without the need for priming or additives
- Can be feather edged down to extremely fine repairs due to nature of fine fillers used
- High coverage rate achievable
- One component – simply add water and mix
- Economical
- Australian Made and Australian Owned

APPLICATION INSTRUCTIONS

SUBSTRATE AND SURFACE PREPARATION

Ensure the concrete substrate is clean and free from oil, grease, sealers, curing compounds, paints, polymer coatings, dust or other foreign (bond breaking) matter that may affect the bonding of **Maklevel Skim Coat** onto the substrate.

Excess bitumen, adhesive or latience should be removed by light scabbling or mechanical captive shot blasting or grinding, followed by vacuuming to remove debris and dust. Large cracks or holes may be filled using **Maklevel Skim Coat** in accordance with Technical Data Sheet.

Acid etching is not an acceptable method of cleaning the subfloor. Do not use solvents or sweeping compounds. Subfloor temperature must be a minimum of 5°C.

Before applying **Maklevel Skim Coat**, all existing adhesive residues over concrete must be tested for water solubility to ensure they will not react with the new flooring adhesive. Some adhesives are water soluble.

Maklevel Skim Coat can be used over structurally sound, permanently bonded, properly prepared residues of non-water-soluble adhesives that may exist on concrete installations.

SUBSTRATE PRIMING

No priming is required when using Makrete Skim Coat. However, for very porous surfaces the application is made easier if the surface is primed with **Makprime MP** at a coverage of 8-10m² per litre. Refer to the **Makprime MP** Technical Data Sheet.

Concrete substrates that are green (>5.5% moisture content), subject to rising damp, moisture, or a head of pressure, require a moisture barrier prior to installation of **Maklevel Skim Coat**. Contact **Makrete Building Solutions** for application instructions on **Makproof Moisture Barrier**.

MIXING

Maklevel Skim Coat should be mixed by using the ratio of 2 parts volume of powder to 1 part water.

For an entire 10kg bag, mix approx. 4.8-5.0 litres of water with the 10kg powder. The use of additional water will weaken the surface of the **Maklevel Skim Coat** and will cause it to take longer to harden.

Always mix the powder into the water.

Place the water in the container first then add the powder while mixing by hand to a lump free consistency.

Makrete Building Solutions recommends that small quantities be mixed by hand. For large quantities, the use of forced action mechanical mixing will produce a smoother consistency without the need for additional water.

DO NOT ADD ADDITIONAL WATER

The pot life is approximately 15 - 20 minutes at 20°C. Pot life will be extended in cooler conditions and shortened in warmer conditions. Mix only the amount that will be used immediately to avoid waste.

APPLICATION

Maklevel Skim Coat is easily applied to any prepared surface using a steel trowel. Apply pressure to fill all defects and feather the product into the adjacent subfloor surface. **Maklevel Skim Coat** can be applied from a feather edge up to 10mm. It isn't necessary to leave a minimum thickness. Floor coverings can be installed as soon as it has thoroughly hardened.

Once **Maklevel Skim Coat** has set **do not** retemper with additional water.

COVERAGE

A 10kg bag will cover 20m² at 1mm thickness. Maklevel Skim Coat's unique formulation and the varying thickness that this product can be used by, both coverage and drying time is difficult to specify and is an estimate only.

A 10 kg bag when mixed with 4.5 -5.0 litres of water will yield approximately 10-12 litres.

A 10kg bag of **Maklevel Skim Coat** mixed with 4.5 -5.0 litres of potable water will cover approx. 20m² at 1mm thickness.

PRECAUTIONS

- **Maklevel Skim Coat** should be used on concrete that is at least 7 days old.
- **Maklevel Skim Coat** should not be used in areas of constant or intermittent water exposure or immersed conditions.
- Do not apply over plasterboard, gypsum-based substrates or similar unstable substrates.
- Avoid exceeding the recommended water addition quantities
- **Maklevel Skim Coat** should not be used as a finished floor coating
- Protect Maklevel Skim Coat from direct sunlight/drying winds whilst the product is hardening
- Check moisture content if thick application is laid prior to adding floor coverings

CLEAN UP

Maklevel Skim Coat should be removed from tools and equipment with clean water immediately after use.

PACKAGING

Maklevel Skim Coat is supplied in 10kg poly lined bag.

SHELF LIFE

Maklevel Skim Coat has a shelf life of 12 months in unopened bags. Must be stored in a dry environment away from moisture.

HEALTH AND SAFETY INFORMATION

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product.

Please refer to full Safety Data Sheet for this product, which is available from **Makrete Building Solutions**.

TECHNICAL SPECIFICATIONS - PERFORMANCE CHARACTERISTICS

TEST	TYPICAL PROPERTIES (RESULTS) MPa
Appearance	Powder
Colour	Grey
	Tensile Adhesion Strength
1 Day	≥ 4 MPa
28 Days	≥ 6 MPa
Fresh Wet Density	Approx. 2.05 kg/m ³ - (tested in accordance with AS1012.5)
	Application Thickness
Minimum Thickness	Feather Edge
Maximum Thickness	5 mm
	Working Time
Temperature	Times
10°C	15-20 mins
20°C	10-15 mins
30°C	5-10 mins
	Application Temperature
Minimum	5°C
Maximum	30°C
Water Requirement per 10kg Bag	4.8 – 5.0 Litres

CONTACT & TECHNICAL SUPPORT

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Product	MAKLEVEL SKIM COAT
Issue Date	APR 2023
Issue No:	1
Item Code	MAKL12
Pack Size	10 kg Bag

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time.

The TDS should be carefully read and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied.

Our responsibility for products sold is subject to our standard terms and conditions of sale. Makrete does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

The information and any recommendations relating to the application and end-use of all MAKRETE products are provided in good faith based on MAKRETE's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by MAKRETE. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions.

It is recommended that all products be properly stored, handled and applied in accordance with the printed literature (TDS).

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.