

PRODUCT DATA SHEET

Sikafloor® Level PRO

HIGH FLOWING SELF-LEVELLING & SMOOTHING COMPOUND

DESCRIPTION

Sikafloor® Level Pro is a premium levelling compound applied prior to the installation of flooring.

USES

Applied in combination with suitable materials from Sikafloor®, SikaBond®, Sikadur®, SikaTite® & Davco® ranges.

- Recommended underlayment for all commercial & residential floorcoverings
- Levelling of uneven concrete
- Suitable for new or old internal concrete substrates

FEATURES

- Very low VOC (3 grams per litre)
- Green Star Certified
- Very low shrinkage
- Simply mix & apply - No slaking or re-mixing required
- Able to be applied across large floor areas in a single application
- Non-combustible
- Good pot life and working time
- Pump or manual application
- Highly fluid

CERTIFICATES AND TEST REPORTS

Green Star (VOC-SCQMD Rule 1168)

PRODUCT INFORMATION

Composition	Polymer modified cement compound
Packaging	20kg Bag - 48 bags per pallet
Appearance and colour	Grey powder
Shelf life	Unopened bags can be stored for up to 9 months in a cool, dry and weather proof environment.
Storage conditions	Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.
Density	1.24kg's/m ³

TECHNICAL INFORMATION

Compressive strength	1 day cure > 10MPa 28 day cure > 25MPa
Flexural-strength	28 day cure > 4.5MPa
Reaction to fire	No hazardous combustion products are known
Water absorption	Porous

APPLICATION INFORMATION

Mixing ratio	5 - 5.2 Litres of clean, cool water
Yield	12 Litres - 4m ² @ 3mm thickness
Layer thickness	1 - 30mm(neat) and 10-50mm (bulked out with 1-2mm aggregate) .
Ambient air temperature	10°C - 35°C
Pot Life	18 minutes @ 23°C
Waiting time to overcoating	Allow 18 hours at 23°C prior to the application of impervious floor coverings. Drying is dependent on thickness of application, temperature, air flow & relative humidity. Increased air flow will help with drying speeds in cooler temperatures.
Initial set time	55-95 Minutes @ 23°C
Final set time	60-100 Min @ 23°C

SYSTEM INFORMATION

System structure	Porous Concrete	Moisture Barrier	Non-porous Surfaces
	Sikafloor® Level Pro Primer	Sikafloor®-158 W Fast Barrier	Sikafloor®-14 Eco Prep 'N' Prime
	Sikafloor® Level Pro	Sikafloor®-14 Eco Prep 'N' Prime	Sikafloor® Level Pro
	Subsequent suitable materials	Sikafloor® Level Pro	Subsequent suitable materials
		Subsequent suitable materials	

BASIS OF PRODUCT DATA

Manufactured in Australia.

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

LIMITATIONS

- Do not install Sikafloor® Level Pro over particle-board, hardwood floors, parquet floors or metal.
- Do not mix or apply Sikafloor® Level Pro in temperatures below 10°C and above 35°C and under hot and windy conditions.
- Keep product cool prior to mixing and do not leave bags in direct sun for extended periods.
- Protect from hot or strong winds and extremes of temperature for 12hrs after being applied to avoid rapid moisture loss leading to cracking or crazing.
- All construction/expansion joints in existing concrete must be reflected through Sikafloor® product as soon as possible to do so.
- Not recommended as a trafficable surface.
- Do not use on sloped surfaces that require drainage (wet areas).
- Do not use in exterior 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

EQUIPMENT

- High speed heavy duty electric drill, mixing paddle & suitable size bucket/vessel - 20L +
- Purpose built mechanical pump

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete floors should be fully cured, structurally sound, clean, dry, and free of surface contaminants and dust for Eg. Concrete must be porous and accept water penetration. Test by lightly sprinkling water on various areas of the substrate. If water penetrates, then a good bond with a selected primer can be achieved. If water beads and fails to be absorbed by the concrete surface contaminants are present then loss of adhesion may occur. Contaminates that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not sub-

ject to hydrostatic pressure.
If the concrete substrate has efflorescence or high moisture (RH) and moisture sensitive flooring is being installed Sikafloor® Moisture Barrier System may be considered (Sikafloor®-158 W Fast Barrier + Sikafloor®-14 Prep N Prime + Sikafloor® Level Pro). Contact your local Sika® office for further information.

PRIMING;

Internal Porous Priming

- *Sikafloor® Level Pro Primer* - undiluted (Neat)

Note: Correct amount of priming liquid should always be applied to the prepared substrate giving good penetration and film build. Thin applications may result in pinholing or debonding levelling compound from the substrate.

Do Not Allow primer to pool while drying. On particularly porous (mechanically prepared) surfaces or where the initial prime coat absorbs immediately a second coat is recommended.

Average dry time ~20–30 min (per coat)

Internal Non-Porous Priming

- *Sikafloor®-14 Prep 'N' Prime* - undiluted (Neat)

Note: When applying primer to Non-porous surface use a paint roller and apply one thin even coat.

Sikafloor®-14 Prep N Prime Must Be Completely Dry (50 min+) prior to applying Sikafloor® products.

The selected primer should completely dry prior to the application of Sikafloor® Levelling Systems.

MIXING

Mix the entire 20kg bag of powder with 5 - 5.2 Litres of clean, cool water. When applying above 20mm Sika® recommends 5L be added.

Slowly add powder to the water while mixing with a suitable electric drill and mixing paddle.

Thoroughly mix for a minimum 2 minutes to a lump-free consistency.

Not mixing for the minimum recommended time or additional water may result in product irregularities and possible product failure. Sikafloor® Level Pro can be bulked out with 10kg of 1-2mm aggregate for thicknesses 10-50mm thick.

APPLICATION

Pour or Pump Sikafloor® Level Pro, then spread with a long handled gauged spreader to heights as required. Sikafloor® Level Pro will seek its own level during the first 12 minutes. For touch-ups, use a flat steel trowel.

Note:

Areas of application must have fresh airflow to assist with product hydration and drying.

Closed off rooms with no fresh air will retard the

drying process and possibly lead to product failure.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water before the material sets.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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Product Data Sheet

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