

PRODUCT DATA SHEET

LANKO® 133 Pro Level

HIGH-PERFORMANCE SELF-LEVELLING & SMOOTHING COMPOUND

DESCRIPTION

High-performing levelling underlayment that can be applied on internal & external concrete substrates.

USES

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

- Levelling uneven concrete surfaces
- Suitable for both suspended or ground slabs
- Ideal for domestic, light and heavy commercial applications

CHARACTERISTICS / ADVANTAGES

- Pump or manual application
- Good self-healing properties
- High strength
- Non-combustible
- Simply mix & apply - No slaking or re-mixing required
- Good pot life and working time
- Application build 1-25mm

PRODUCT INFORMATION

Chemical Base	Polymer modified cement compound
Packaging	20kg Bag - 48 bags per pallet
Appearance / Colour	Grey powder
Shelf Life	Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment.
Storage Conditions	Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.

TECHNICAL INFORMATION

Compressive Strength	Days	Strength
	1	14-16MPa
28	25-30MPa	

Tensile Adhesion Strength	Days	Strength
	1	1.5MPa
28	3+MPa	

Reaction to Fire	No hazardous combustion products are known
Water Absorption	Porous

Mixing Ratio	4.2 - 4.6 Litres of clean, cool water
Yield	12L = 4m ² @ 3mm
Layer Thickness	1 - 25mm (neat) 10 - 50mm (extended with 1-2mm aggregate)
Ambient Air Temperature	10°C - 35°C
Pot Life	~15 minutes @ 23°C
Waiting Time / Overcoating	<ul style="list-style-type: none"> ▪ Neat 1 - 25mm <ul style="list-style-type: none"> ▪ Allow 16 hours at 23°C prior to the application of tiles. ▪ Allow 18 hours at 23°C prior to the application of impervious products. ▪ Extended with aggregate 10 - 50mm <ul style="list-style-type: none"> ▪ Allow 24hrs minimum at 23°C prior to the application of all products. <p>Drying is always dependent on thickness of application, temperature, air flow & relative humidity. Increased air flow will help with drying speeds. Note: Freshly applied Lanko® 133 must be protected from damp, condensation and water while curing for at least 24 hours.</p>

SYSTEM INFORMATION

System Structure	Porous Concrete	Non-porous Surface
	Lanko® 124 Ultraprime	Sikafloor®-14 Prep 'N' Prime
	Lanko® 133	Lanko® 133
	Subsequent suitable materials	Subsequent suitable materials

For high moisture (RH) in concrete, Sika® Moisture Barrier System may be considered;

1. Sikafloor®-158 W Fast Barrier
2. Sikafloor®-14 Prep N Prime
3. Lanko® 133

Contact your local Sika® office for further information.

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.

LIMITATIONS

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- Closed off rooms with no fresh air flow will reduce product hydration/drying and possibly lead to failure.
- Do not install Lanko® 133 over chipboard, hardwood floors, parquet floors or metal.
- Do not mix or apply Lanko® 133 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.
- Acid etching is not a recommended form of surface preparation.
- 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 Lanko® 133 as soon as possible to do so.
- Not recommended as a trafficable surface.
- Do not use on sloped surfaces that require drainage.

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

Substrates 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 porous primer can be achieved. If water beads and fails to be absorbed by the concrete surface contaminants are present and loss of adhesion may occur. Contaminates that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure.

If the substrate has efflorescence or high moisture (RH) and moisture sensitive flooring is being installed, a Sika® Moisture Barrier System may be considered. Contact your local Sika® office for further information.

PRIMING;

Internal Porous Priming

- Lanko® 124 Ultraprime - 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)

When applying exterior under hot, windy conditions (Temperatures above 30°C), it is essential to wet down any concrete surfaces with clean water prior to priming, so the primer does not flash dry.

After wetting down the floor, do not allow the water to pool or pond on the surface. The substrate should appear matt, with no signs of glistening pools evident prior to application of the Lanko® 124 Ultraprime.

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 (50-60 min+) prior to applying Lanko® products.

Chosen primer should completely dry prior to the application of Lanko® Levelling Systems.

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> For further detailed information (Product Data Sheet) regarding chosen primer please go to sika.com.au or contact Sika® Australia 1300 22 33 48.

MIXING

Mix the entire 20kg bag of powder with 4.2 - 4.6 Litres of clean, cool water. Slowly add powder to the water while mixing with a suitable electric drill and mixing paddle. 10kg of clean 1-2mm aggregates may be mixed with 20kg of Lanko® 133 for bulking out purposes. Thoroughly mix at high speed for 2 minutes to a lump free consistency. Not mixing for the recommended time or additional water may result in product irregularities and possible failure.

APPLICATION

Pour or Pump Lanko® 133, then spread with a long handled spreader to heights as required. Lanko® 133 will seek its own level during the first 10 minutes. For touch-ups, use a flat trowel.

LOCAL RESTRICTIONS

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

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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