



LANKO 184

FLEXIBLE FLOOR LEVELLER

SELF LEVELLING UNDERLAYMENT
FOR INTERNAL FLEXIBLE SUBSTRATE APPLICATIONS

WHERE TO USE

Davco Lanko 184 Flexible Floor Leveller is a floor levelling compound for internal, flexible substrates prior to installation of a floor covering. It can be used in place of cement sheet underlay in tiling or in place of hardboard underlay in carpet or vinyl installations, Davco Lanko 184 Flexible Floor Leveller is quicker and easier to install and provides a superior smooth and level surface for a high quality finished installation.

Uses

Domestic and Commercial internal applications. Areas such as office space, shops, restaurants, walkways, living areas and heavy foot traffic locations.

Davco Lanko 184 Flexible Floor Leveller can be applied onto:

- Flexible substrates including;
- Correctly installed timber floor.
- Correctly installed fibre cement sheet.
- Correctly installed metal deck.
- Securely bonded existing floor tiles.
- Securely bonded existing vinyl sheet (for new ceramic tile or carpet installations only).
- Existing vinyl tiles which are securely bonded across all points of tiles.
- Securely adhered old tile or vinyl adhesive.
- Securely adhered epoxy paint.
- Freshly applied epoxy moisture barrier.
- Wood float finished concrete.

PRODUCT INFORMATION

Coverage

20kg bag of Davco Lanko 184 Flexible Floor Leveller will cover approximately:
12m² at 1mm thick

Drying Time

Light foot trafficable in 3 hours

FEATURES & BENEFITS

- Quicker and easier to use
- Superior smooth and level surface for a high quality finished installation
- Can be used on a variety of substrates
- Ideal for areas such as office space, shops, restaurant, walkways, etc.

PACKAGING

Part A available in a 20kg bag and Part B available in a 5L jerry can.



MADE IN
AUSTRALIA

TECHNICAL

TECHNICAL DATA	LANKO 134
Appearance	Grey powder / milky liquid. Mixes to a grey liquid. Dries to a grey mortar.
Shelf life when stored unopened in elevated, cool, dry location	6 months - Part A (powder) / 12 months - Part B (liquid)



Davco products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.

Quality
ISO 9001
SAI GLOBAL

TEST DATA	CRITERION	TYPICAL TEST RESULT
Test method: ASTM C191		
Pot life		15 mins
Reflow time		10 mins
Light foot trafficable		3 hours
Ready to receive tiles		4 - 6 hours
Ready to receive carpet		16 - 24 hours
Ready to receive vinyl		24 - 36 hours
Fully servicable		24 - 36 hours
Test method: ASTM C109 AS/NZS 2350.11-1997		
Compressive strength	1 day	10 MPa
	3 days	13 MPa
	7 days	16 MPa
	14 days	19 MPa
	28 days	25 MPa

- All timber must be free of all coatings including paint, varnish, oil (including tongue oil), polish, wax, etc
- Use 80 grit sand paper to remove all coatings
- Structural particle board (e.g. Yellow Tongue) must have the wax like coating on upper surface fully removed through sanding
- Once the true timber is fully exposed, primer is NOT required prior to the application of Davco Lanko 184 Flexible Floor Leveller

Fibre Cement & Compressed Fibre Cement Sheet

- All building boards must be firmly fixed according to the manufacturer's instructions and relevant Australian Standard(s)
- Fibre cement sheet must be primed with Davco Lanko 124 Ultraprime
- Compressed fibre cement sheet must be primed with Davco Dampflex Primer
- James Hardie Scyon board should be treated with a single coat of Davco Lanko 531 Epoxy Moisture Barrier in place of regular primer

Existing Floor Tiles

- Examine existing tiles by tapping each one and remove any that are found to be loose or drummy
- Any tiles removed do not need to be replaced; the void can be filled with Davco Lanko 184 Flexible Floor Leveller during or a suitable patching mortar such as Davco Lanko 136 Rapid Patching Mortar. In all cases follow all applicable instructions for surface preparation and application according to the substrate material and depth of fill
- All tiled surfaces must be free of all dirt and coatings or sealers: If sealer is present on tiles, contact Sika Australia Technical Advice Line

DIRECTIONS FOR USE

- A test should be undertaken in all cases to ensure suitability

SURFACE & PRIMER PREPARATION

- Surfaces, must be dry, structurally sound, clean, free of dust, dirt, wax, oil, grease, asphalt, mastic, latex compounds, adhesives, paint, gypsum-based products and other contaminants
- Movement joints in the substrate must be carried through the Davco Lanko 184 Flexible Floor Leveller
- Undertile heating must be correctly fixed according to manufacturer's instructions and relevant Australian Standard(s)
- Ensure the site is protected from draughts before commencing as flash drying of Davco Lanko 184 Flexible Floor Leveller will adversely affect product performance

Timber Floor

- All building boards must be firmly fixed according to the manufacturer's instructions and relevant Australian Standard(s)

- Thoroughly clean the surface of all dirt with a stiff brush and, if necessary, water. Once dry, vacuum clean to remove dust prior to application of Davco Lanko 184 Flexible Floor Leveller
- Do not use primer over existing tiles

Existing Vinyl

- Existing vinyl must be securely adhered to the substrate before applying Davco Lanko 184 Flexible Floor Leveller over it. Examine the vinyl to ensure there are no bubbles, creases, or loose sections
- Existing vinyl tiles must be securely bonded across all points of all tiles
- Existing vinyl sheet must only be overlaid with Davco Lanko 184 Flexible Floor Leveller for new ceramic tile or carpet installations. For new vinyl installations, remove all existing vinyl

Old Adhesives

- Old adhesives may include ceramic tile adhesive or vinyl flooring adhesive
- For other types of adhesive, contact the Sika Australia Technical Advice Line
- Mechanically remove as much of the old adhesive/glue as possible. All remaining adhesive should be securely adhered to the substrate
- Thoroughly clean the surface with a stiff brush and vacuum cleaner
- Priming will depend on the type of old adhesive and the true substrate material and it's degree of exposure. Contact the Sika Australia Technical Advice Line

Metal Decks

- Metal substrates must be abraded to a clean, fresh surface, vacuum cleaned and then treated with a suitable metal etching primer
- Aluminium will react with cement in Davco Lanko 184 Flexible Floor Leveller. Take extra care to protect site and prepare aluminium substrates appropriately

Concrete

- Concrete substrates must be free of laitance, loose or deteriorated concrete, curing or release agents and other contaminants. Failing concrete must be repaired with a suitable concrete repair mortar, such as Davco Lanko 136 Rapid Patching Mortar
- All concrete substrates must be fully cured and dry in accordance with AS1884 (maximum moisture content 5.5% or 70% humidity). For concrete substrates with high moisture content or subject to rising damp, Davco Lanko 531 Epoxy Moisture Barrier should be applied in place of regular primer, prior to the installation of Davco Lanko 184 Flexible Floor Leveller
- Steel trowel finished concrete should be mechanically abraded and vacuum cleaned to a porous finish
- Fully dry, porous concrete should be primed with Davco Lanko 124 Ultraprime

MIX PREPARATION

Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG Davco Lanko 184 Flexible Floor Leveller PART A (powder)
General applications	5L of Davco Lanko 184 Flexible Floor Leveller Part B (liquid)

- 20kg of Davco Lanko 184 Flexible Floor Leveller Part A (powder) must be mixed with 5L of Davco Lanko 184 Flexible Floor Leveller Part B (liquid)
- Floor levelling is a fast paced operation. Before commencing mixing, be sure to have sufficient materials, equipment and labour available to allow subsequent pours within the reflow time of the product
- Do not mix more material than can be used within 15 minutes.

Mix Process

1. Pour the full 5L content of the liquid (Part B) from the jerry can into a clean bucket.
2. Slowly add the full 20kg content of the powder (Part A) into the liquid while mixing with a wire frame-type mixing paddle (specifically designed for mixing floor levellers) and drill.
- Mixing drill should be set to 500r.p.m
- Do not mix by hand or with a concrete mixer
3. Continue to mix for at least 4 minutes until a fluid consistency is achieved, free of lumps of powder.
4. Allow the mixture to stand for 1 minute before pouring
- For any additional mixing instructions not covered above, contact Sika Australia.

APPLICATION

	Single Layer Thickness: Min	Single Layer Thickness: Max	Multiple Layer
Lanko 184 Flexible Floor Leveller: General Application	1mm	25mm	Allow at least 3 hours setting time and prime surface with Davco Lanko 124 Ultraprime before pouring of subsequent layers.
Lanko 184 Flexible Floor Leveller: Over timber floor	3mm	25mm	Allow at least 3 hours setting time and prime surface with Davco Lanko 124 Ultraprime before pouring of subsequent layers.
Lanko 184 Flexible Floor Leveller: Over metal deck	2mm	3mm	Do not use multiple layers of Lanko 184 Flexible Floor Leveller over metal deck.

1. Pump or hand pour Davco Lanko 184 Flexible Floor Leveller onto the surface.
2. Move into position with a stand up spreader. Once spread to all areas the material is sufficiently fluid to “self-smooth” and heal of trowel marks within the reflow time.
3. After applying, wait 3 hours before allowing light foot traffic.
4. After applying, wait before applying floor covering*:
 - 4–6 hours for tiles,
 - 16–24 hours for carpet,
 - 24–36 hours for vinyl.
5. Clean tools and equipment with water before the leveller dries.

Note: * All times are based on measurement at 22oC and 50% relative humidity. In cold weather setting time will be slower and in warm weather setting time will be faster.

Floor Coverings

Ceramic tiles, vinyl or carpet can all be easily adhered to Lanko 184 Flexible Floor Leveller. Alternatively an epoxy paint finish may be applied to provide wear resistance.

If unsure about suitability in certain installations, contact Sika Australia for guidance.

PRECAUTIONS

Safety

- SDS is available from www.davcoaustralia.com.au
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product
- Keep out of reach of children. If eye contact occurs, rinse with cool water
- If ingested get immediate medical assistance

General

- For application over timber floor or fibre cement sheet, these substrates must be firmly fixed according to the manufacturer’s instructions and relevant Australian Standard(s). As a general rule, deflection of the substrate should be no more than 1:360.
- For application over existing floor tiles, the tiles must be securely bonded to the substrate. Test all tiles and remove any that are found to be loose or drummy.
- Ensure all surface preparation, priming, testing and mixing instructions are followed precisely. Do not mix with water. Do not add cement, lime, gypsum, plaster, bonding agents, aggregates or other materials.
- Do not use if the area is to be immersed or constantly wet
- Any material over 15 minutes old should be discarded and not used.

- Protect site from draughts during application and curing
- Do not use when temperatures are below 5°C or above 35°C
Do not apply if temperatures are expected to reach these levels within 24 hours after application.
- Wherever possible, test areas are recommended, to ensure the suitability of the product for the intended use. This should include the floor finishing/covering.

Specific

- Davco Lanko 184 Flexible Floor Leveller is not suitable for use in any area with a flexible substrate which is exposed to wheeled traffic, including for example scissor lifts and service vehicles as used in shopping centres, airports, etc.
- Existing vinyl sheet must only be overlaid with Davco Lanko 184 Flexible Floor Leveller for new ceramic tile or carpet installations. For new vinyl installations, remove all existing vinyl.
- Davco Lanko 184 Flexible Floor Leveller is not a wearing surface and must be covered with a suitable floor covering or coating.
- Movement joints in the substrate must be detailed through Davco Lanko 184 Flexible Floor Leveller.
- For applications not mentioned on the data sheet, contact Sika Australia

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.