



LANKO 135

FEATHER EDGE

FEATHERING MORTAR

RAPID SETTING, POLYMER MODIFIED, CEMENT BASED

WHERE TO USE

Davco Lanko 135 Feather Edge is designed for thin layer patching of vertical, horizontal and overhead applications. It is particularly useful for ramping previously patched/levelled floors into doorways, walkways, etc. It can be applied to a variety of different substrates. Davco Lanko 135 Feather Edge is a highly polymer modified fast setting cementitious feathering mortar, for use on irregular/uneven concrete floors, prior to the application of floor coverings, such as tiles, carpet, vinyl etc. It requires the addition of only potable water to achieve a high fluid consistency producing a smooth, level, and hard surface. Davco Lanko 135 Feather Edge can be applied in multiple layers with each layer being no more than 10mm thick.

Uses

Davco Lanko 135 Feather Edge is suitable for repairing honeycomb concrete, as well as cracks and pinholes. It can be used for skim coating over particle board and plywood flooring to fill in grooves, gouges, and level up joints. Davco Lanko 135 Feather Edge is compatible with commonly used adhesives and normally can receive floor coverings within 1 - 2 hours of installation when applied as a skim coat. Davco Lanko 135 Feather Edge is not a wearing surface and must be protected with a compatible topping, floor covering or coating.

PRODUCT INFORMATION

Coverage

1kg of Davco Lanko 135 Feather Edge will cover approximately:

4m² at skim coat thickness.

1m² at 1mm thickness

Set Time

Foot trafficable at 20°C 1-2 hrs at 3mm thickness ~20 mins for a skimcoat

FEATURES & BENEFITS

- Fast-setting
- Can be applied on a variety of substrates
- Useful for ramping previous patched/levelled floors into doorways, walkways, etc.
- Ideal for repairing honeycomb concrete, as well as cracks and pinholes

PACKAGING

10kg of powder packaged individually into 1kg plastic bags inside a 10L mixing container.



MADE IN
AUSTRALIA

TECHNICAL

TECHNICAL DATA	LANKO 134
Appearance	
Shelf life when stored unopened in elevated, cool, dry location	6 months

Values presented are typical and not necessarily referenced to create specifications. All measurements are taken at 20°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.



Quality
ISO 9001
SAI GLOBAL

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

TEST DATA	CRITERION	TYPICAL TEST RESULT
Test method: ASTM C191		
Work time		5 - 10 mins
Initial set time		25-30 mins at a 3mm thickness
Foot trafficable at 20°C		1-2 hrs at 3mm thickness ~20 mins for a skimcoat
Ready to receive floor coverings		4 - 6 hours at 3mm thickness 1-2 hrs for a skimcoat
Pot life at 20°C		30 mins

surface or prepared with the use of Davco Ultrabond. Contact Sika Australia for further details

- Patch large cracks and holes with a Davco Lanko 731 or Davco Lanko 712 Concrete Repair Mortar
- Any construction joints in the underlying sub-floor should be carried through the Davco Lanko 135 Feather Edge, to avoid cracking

PRIMER PREPARATION

- Porous concrete surfaces must be primed with Davco Lanko 124 Ultraprime. Use Davco Lanko 124 Ultraprime directly from the container - do not dilute
- Under hot, windy conditions (Temperatures above 30°C), it is essential to wet down any concrete slabs with clean water prior to priming, so that 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 water evident prior to application of the primer
- Extremely porous concrete slabs should be wet down with water, as per instructions for hot, windy conditions, to prevent flash drying of the primer.
- Test areas should be performed in all cases, to assure the suitability of the product for the intended use. This should include the floor finishing / covering

MIX PREPARATION

Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 1KG
General applications	475 – 525ml clean, potable water

DIRECTIONS FOR USE

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

SURFACE 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
- All concrete sub-floors must be fully cured and dry, in accordance with AS1884-1985 (maximum moisture content 5.5% or 70% humidity). They must be free of laitance, loose or deteriorated concrete, curing or form release agents, other contaminants and have a wood float finish. For sub-floors with a high moisture content or subject to rising damp, apply Davco Lanko 531 Epoxy Moisture Barrier. Refer to datasheet for specific instructions
- Non-porous surfaces, such as power trowelled or steel floated concrete, must be primed with Davco Lanko 531 Epoxy Moisture Barrier or Davco Ultrabond. Alternatively, they can be acid etched or mechanically abraded
- Deeply contaminated substrates must be abraded to a clean, sound

Mix Process

1. Electric stirring is required as it produces a much smoother mix. The most efficient method of mixing Davco Lanko 135 Feather Edge is by using a 1/2 inch or 12 mm heavy-duty electric drill (maximum 650 rpm). Concrete mixers or hand mixing are not suitable methods.
2. Add 475 – 525ml of potable water, and then slowly add 1kg of the Davco Lanko 135 Feather Edge powder. Mix for no less than 1 minute to provide a smooth, lump free consistency.
3. Clean mixers and tools thoroughly after each batch to avoid material build up.

Note: Lanko 135 Feather Edge is a rapid setting product. Do not mix up more product than can be placed within 10 minutes.

- For any additional mixing instructions not covered above, contact Sika Australia.

APPLICATION

1. Place the mixed product onto the prepared substrate using a flat trowel. Use only a minimum of working to spread to the desired thickness and contour.
2. Allow the product to set up a little before smoothing out to the desired finish. For a very smooth finish, it is desirable to use a steel trowel.
3. If the mix begins to stiffen in the bucket, do not try and reconstitute the mix by adding more water, simply discard the product and make a new mix.
4. Additional layers can be applied over existing layers, provided the previous layer has attained suitable hardness for placement. Prime with Davco Lanko 124 Ultraprime if more than 24 hours passes before the new material is applied.
5. Davco Lanko 135 Feather Edge is trafficable after approximately 1 – 2 hours at 20°C and is suitable for the application of floor coverings after approximately 4 - 6 hours at 20°C (when applied at 3mm thickness). These set cure times can vary depending upon the application thickness and the site temperature conditions.
6. For a skim coating, the Davco Lanko 135 Feather Edge will be trafficable in as little as 20 minutes.

High Stress Areas

When Lanko 135 Feather Edge is to be used in areas of high stress or under exacting conditions, special instructions are generally required. Please contact Sika Australia for specific instructions

Floor Coverings

As a general guide, the surface finish of Davco Lanko 135 Feather Edge is not dissimilar to concrete. Any adhesives used to bond subsequent floor coverings that are compatible with concrete will be compatible with Davco Lanko 13 Feather Edge.

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

Clean-up & Return to Service

- Clean mixing and application equipment with water immediately following use
- Remove splatter or spills with water before material sets
- Davco Lanko 135 Feather Edge contains cementitious materials and if allowed to dry, removal becomes extremely difficult

PRECAUTIONS

Safety

- SDS is available from www.sika.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

- Do not apply or mix when temperatures are below 5°C or above 35°C. Also, do not apply if temperatures are expected to reach these levels for at least 24 hours after application.
- Do not apply if temperatures are expected to reach these levels within 24 hours of application
- Ensure all surface preparation, testing and mixing instructions are followed precisely
- Do not add cement, lime, gypsum, plaster, bonding agents, aggregates or other materials except where specified on the Technical Data Sheet
- Do not apply Davco Lanko 134 Pro Level Express over frozen or frost filled surfaces
- 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

- Construction joints in the sub-floor must be detailed through Davco Lanko 135 Feather Edge to prevent cracking
- Davco Lanko 135 Feather Edge should not be over-watered, over-mixed, or remixed with additional water. Any material over 10 minutes old should be discarded and not used
- Do not use Davco Lanko 135 Feather Edge over a slab with a high moisture content or that is subject to rising damp unless a suitable epoxy barrier is used prior
- When Davco Lanko 135 Feather Edge is to be used in areas of high stress or under exacting conditions, such as installation over timber floors, metal decks and over heated sub-floors, special instructions are generally required.
- 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.



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