



LANKO 136

RAPID PATCHING MORTAR

FAST SETTING POLYMER MODIFIED
RAPID REPAIRS OF DEFECTS IN CONCRETE SUBSTRATES

WHERE TO USE

Davco Lanko 136 Rapid Patching Mortar is already-to-use polymer-modified rapid setting mortar designed for making repairs to concrete and masonry surfaces both externally and internally. It is for use prior to the application of underlayments, flooring, ceramic tiles, coatings or paint etc. Lanko 136 Rapid Patching Mortar has been designed to achieve very high early strengths, and can accept floor finishes after as little as 90 minutes.

Uses

Patching concrete floors prior to the application of Lanko floor levelling compounds. Patching brickwork and rendered walls prior to ceramic tiling. Creation of ramps prior to the installation of carpet, vinyl and ceramic tile. For repairing minor flaws in concrete structures. Repair of concrete surfaces: honeycombing, stair nosing, precast elements etc. For patching of concrete pillars, slabs, posts etc. Treatment of chamfers and seams prior to waterproofing. Creation of coves in wall/floor junctions prior to application of membranes and epoxy coatings. Anywhere where a rapid setting, high early strength patching mortar would be useful.

PRODUCT INFORMATION

Coverage

A 20kg bag of Davco Lanko 136 Rapid Patching Mortar will cover approximately:

4m² at 3mm thickness.

12m² at 1mm thickness.

Curing Time

10 - 15 minutes

FEATURES & BENEFITS

- Rapid-setting
- Very high early strengths
- Good for repairs to concrete and masonry surfaces
- Ideal for patching brickwork and rendered walls prior to ceramic tiling

PACKAGING

Davco Lanko 136 Rapid Patching Mortar is available in 20kg moisture resistant multiwall bags.



MADE IN
AUSTRALIA

TECHNICAL

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

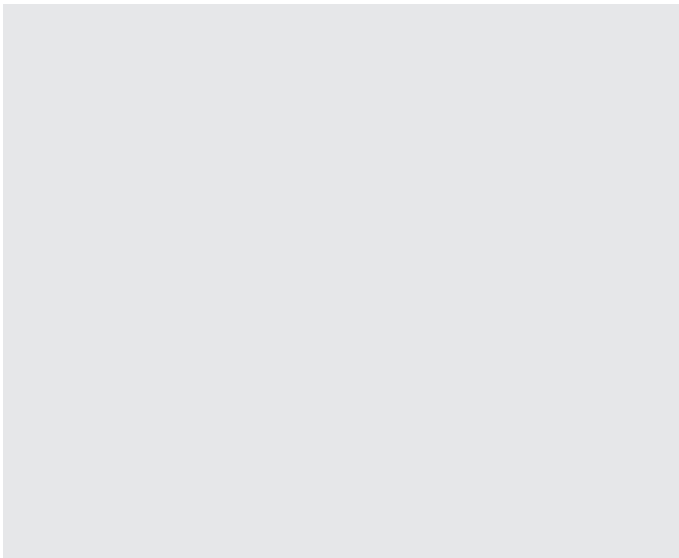
Values presented are typical and not necessarily referenced to create specifications. All measurements are taken at 20°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.



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		
Initial set time		Approx 15mins
Final set time		Approx 40-50 mins
Ready to receive subsequent coatings and underlayments		Approx 90 mins
Ready for high load installations		3 – 7 days



DIRECTIONS FOR USE

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

SURFACE PREPARATION

- For all surfaces, loose contaminants and unsound concrete must be chipped away so that a reasonably rough, but strong sound surface is provided
- All surfaces must be free from oil, grease and dust
- Holes and depressions may be cleaned with compressed air, vacuumed, or a suitable brush to remove loose particles
- Remove loose and damaged concrete and laitance using a point tool or chisel in order to obtain a clean, rough surface
- The boundaries of the surface to be repaired must be clearly defined in order for the patched surface to retain integrity
- Contact Sika Australia for further details

PRIMER PREPARATION

- After cleaning, wet down porous concrete substrates with water to avoid early hydration of Davco Lanko 136 Rapid Patching Mortar.
- Ensure that no freestanding water is present on surfaces. Remove any free water by use of compressed air or dry towels.
- Dense substrates such as power (steel) float concrete can be prepared via the application of Davco Lanko 531 Epoxy Moisture Barrier or Davco Ultrabond.

MIX PREPARATION

Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	5 –6L of clean, potable water

Mix Process

1. Use as little water as is required in the mix for ease of placement. Water addition is recommended at approximately 5 –6L per 20kg bag
2. Place 70% of the required amount of water into the mixing vessel and slowly add the powder while mixing. Gradually add the remainder of the water to achieve the desired consistency
3. As a guide, add approximately 3 parts by volume of Davco Lanko 136 Rapid Patching Mortar to 1 part of water by volume
4. Adjustments to the mixing ratio may be required depending upon site conditions. Ideally, both the mixing water and substrate should be above 5°C and below 30°C. Small trial batches to ascertain the best working consistency for the operation are recommended

5. Mix with an electric drill and paddle or by hand. Allow approximately 2 minutes mixing to achieve maximum results
 6. Do not mix more than can be used in 10 - 15 minutes as the product will set
 7. Yield will be approximately 14.2L per 20kg bag depending on the amount of water added
- For any additional mixing instructions not covered above, contact Sika Australia.

APPLICATION

1. Apply a first pass of Davco Lanko 136 Rapid Patching Mortar with a steel trowel, pressing firmly to ensure bonding
2. Apply additional mortar to obtain the desired overall thickness
3. Davco Lanko 134 Pro Level Express must cure 4 - 6 hours before any floor coverings are installed. Allow 16 - 24 hours prior to installing commercial vinyl over Lanko 134
4. After placement, allow Davco Lanko 136 Rapid Patching Mortar to cure for approximately 10-15 minutes before finishing. Use a wet steel trowel or foam float on the repaired surface to achieve the required finish. A light spray of water may help to lubricate the trowel
5. Davco Lanko 136 Rapid Patching Mortar must be placed within 10-15 minutes of mixing. After this time discard any mixed product that shows signs of stiffening
6. Do not vibrate Davco Lanko 136 Rapid Patching Mortar into position as this may cause segregation of the mix

Aggregate Extension

For repairs between 25mm and 100mm, add up to, but no more than 20kg of washed 2-5mm aggregate, per 20kg bag of Davco Lanko 136 Rapid Patching Mortar.

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

Clean-up & Return to Service

- Davco Lanko 136 Rapid Patching Mortar should be removed from tools and equipment immediately after use with clean water. Any cured material may be removed by mechanical means
- The period of time required before bringing the patched area into service depends upon the service load required. For high load installations, do not put the area into service for 3-7 days. The ambient temperature should be taken into account since cold weather delays hardening and hot weather accelerates hardening
- Subsequent coatings and underlayments may be installed in as little as 90 minutes after the application of Davco Lanko 136 Rapid Patching Mortar

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

- Ensure all surface preparation, testing and mixing instructions are followed precisely
- 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 136 Rapid Patching Mortar must be placed within 10-15 minutes of mixing. After this time discard any mixed product that shows signs of stiffening
- Davco Lanko 134 Pro Level Express should not be over-watered, over-mixed, or remixed with additional water. Any material over 10 minutes old should be discarded and not used
- Davco Lanko 136 Rapid Patching Mortar is not a wearing surface and must be suitably covered if required for this use.
- Davco Lanko 136 Rapid Patching Mortar is not an anti-carbonation external repair mortar
- For patching thicknesses exceeding 50mm, refer to instructions under heading Aggregate Extension
- Like all cementitious mortars and concrete, Davco Lanko 136 Rapid Patching Mortar must be protected against rapid drying due to high temperatures and/or strong winds

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.