



# LANKO 189

## BULK FILL SCREED

RAPID DRYING SCREED  
FOR INTERNAL AND EXTERNAL APPLICATIONS

### WHERE TO USE

Davco Lanko 189 is a self compacting cement based screed. It is rapid setting and shrinkage compensated. It can be applied from 10mm up to 100mm thick in a single pour and can be covered 24 hours after installation.

#### Uses

- Build up concrete levels
- Falls in wet areas
- Shower bases
- Ramp installation
- Shopping centre floor preparation

### PRODUCT INFORMATION

#### Coverage

A 20kg bag will cover approximately 10m<sup>2</sup> at 1mm thick (depends on mix consistency).

#### Curing Time

Curing time at 20°C in 48 hours

### FEATURES & BENEFITS

- High-strength and rapid strength gain
- Does not require a second coat
- Easy to apply
- Can be treated as concrete when cured

### PACKAGING

Davco Lanko 189 Pro Level is available in 20kg polylined bags.



MADE IN  
AUSTRALIA

## TECHNICAL

TECHNICAL DATA	LANKO 134
Appearance	Grey powder
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.



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		20 mins
Foot trafficable at 20°C		3 hours
Ready for covering		24 hours
Curing time at 20°C		48 hours
	2.2L	2.7L
Initial set time at 20°C	75 mins	80 mins
Final set time at 20°C	80 mins	90 mins
Bulk density	~2.25g/L	~2.15g/L
Mixed consistency	Trowelable	Flowable
Test method: ASTM C109 AS/NZS 2350.11-1997		
Compressive strength		

## PRIMER PREPARATION

- After preparation, prime the substrate with Davco Lanko 124 Ultraprime
- Suitable priming is an important step that will help bonding to the substrate
- Use Lanko 124 Ultraprime directly from the container. Do not dilute
- If using on a very porous slab or in warm or windy conditions ensure the primer does not flash dry. Wet down the surface before priming if needed
- Use primer at the correct rate of 8 10m<sup>2</sup> per litre
- 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

## 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)
- Non-porous concrete must be mechanically abraded or acid etched
- Deeply contaminated substrates must be abraded to a clean, sound surface
- New concrete must be six weeks old before covering
- Any construction joints in the underlying sub-floor should be carried through the Davco Lanko 189 Bulk Fill Screed, to avoid cracking
- For further details, please contact Sika Australia.

## MIX PREPARATION

### Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	2.2L – 2.7L of clean, potable water

### Mix Process

1. Mix mechanically using a drill and suitable paddle
2. Concrete mixers or hand mixing is not suitable
3. Always mix the powder into the water
4. Add 2.2 – 2.7L of clean, potable water to a clean bucket and slowly add the powder while mixing
5. Use 2.2L for lower slump and 2.7L for higher slump mixes

6. Mix until smooth and lump free
  7. Do not add more water after initial mixing
- For any additional mixing instructions not covered above, contact Sika Australia.

## APPLICATION

1. Pour or work the mixed product onto the primed surface
2. Use an appropriate trowel to work product to the required height and level
3. Do not exceed 100mm in one application. If greater thickness is required allow to cure and reapply to required height

### Coating or Covering

- Davco Lanko 189 Bulk Fill Screed may be coated or covered 24 hours after installation (under normal conditions)
- After curing the surface may be treated the same as concrete
- Most floor covering suitable for application onto concrete may be used
- Always follow the floor covering manufacturer's instructions
- For further details, please contact Sika Australia

### 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 189 Bulk Fill Screed contains cementitious materials and if allowed to dry, removal becomes extremely difficult

## PRECAUTIONS

### Safety

- SDS is available from [www.davcoaustralia.com.au](http://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

- 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.
- Performance may be affected if used in hot or cold conditions in the first 24 hours after 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

- Any material that has started to set or stiffen must be discarded and not used
- Only use clean, potable water
- Do not apply Davco Lanko 189 Bulk Fill Screed 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 189 Bulk Fill Screed to prevent cracking
- Not intended for permanent immersion
- Use only on properly prepared concrete floors
- Suitable only for non structural applications
- A minimum thickness of 10mm is required to ensure adequate curing and strength gain
- Do 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 189 Bulk Fill Screed over a slab with a high moisture content or that is subject to rising damp unless Davco Lanko 531 Epoxy Moisture Barrier is used prior
- Not suitable for marine exposure
- 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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