



LANKO 302

CEMENT ACCELERATOR

CEMENT ACCELERATING ADDITIVE
FOR HIGH EARLY STRENGTHS OF CONCRETE AND MORTARS

WHERE TO USE

Davco Lanko 302 Cement Accelerator is a calcium chloride hardener for cement mixes such as concrete, mortars and other sand/cement mixes. It is a clear liquid which will not alter the colour of the material to which it is added. Davco Lanko 302 Cement Accelerator is perfect for use in cooler climates or during winter. It is also suitable when installations need to be finished quickly.

Uses

Davco Lanko 302 Cement Accelerator can be used to accelerate the setting time of concrete, mortar and other sand/cement mixes. Suitable for use when concreting in cold weather climates. Davco Lanko 302 Cement Accelerator can be used to speed drying times in Davco cement based adhesives. Davco Lanko 302 Cement Accelerator promotes high early strength and allows earlier finishing and removal of formwork and moulds. By using Davco Lanko 302 Cement Accelerator you can achieve 7 day compressive strengths in 48 hours.

PRODUCT INFORMATION

Coverage

1L of Lanko 302 Cement Accelerator will be sufficient for the following applications:

Material	Material Amount
Bricklayers Mortar	320KG mortar at 6 parts sharp sand: 1 part lime: 1 part cement.
Cement Render	200KG render at 4 parts sand: 1 part cement
Concrete Mix	320KG concrete at 4 parts coarse aggregate: 3 part sand: 1 part cement.
Cement Based Tile Adhesive	8 x 20kg cement- based adhesive

FEATURES & BENEFITS

- Suitable for cold weather climates
- 7 day compressive strengths in 48 hours
- Speed up drying time in Davco cement based adhesives
- For a fast finish

PACKAGING

Available in 1 litre, 5 litre and 20 litre plastic containers



MADE IN
AUSTRALIA

TECHNICAL

TECHNICAL DATA	LANKO 134
Appearance	Clear liquid
Shelf life when stored unopened in elevated, cool, dry location	12 months

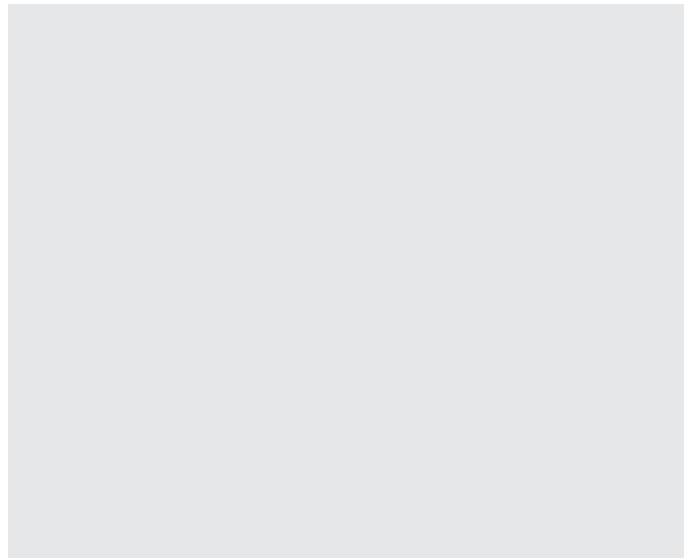
Values presented are typical and not necessarily referenced to create specifications. All measurements are taken at 20°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.



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		
Initial set time at 20°C (when mixed with concrete mix)		2 hours
Final set time at 20°C (when mixed with concrete mix)		4 hours
Density		1.32
pH		9.1
Test method: ASTM C109 AS/NZS 2350.11-1997		
Compressive strength		



DIRECTIONS FOR USE

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

MIX PREPARATION

Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	4.5 – 5L of clean, potable water

Mix Process

- Davco Lanko 302 Cement Accelerator must always be pre-diluted before addition to the concrete or sand/cement mortar.
- Always add the correct dose of Davco Lanko 302 Cement Accelerator to the gauging water and never add directly to the dry sand/cement mix.
- Always add powder to the liquid while mixing

- The actual dose rate will be affected by temperature and mix design, but the following can be taken as a guide:

Material	Addition Rate
Bricklayers Mortar	1L per 40kg bag of cement
Cement Render	1L per 40 kg bag of cement
Concrete Mix	1L per 40 kg bag of cement
Cement Based Tile Adhesive	125L per 20 kg bag of cement based tile adhesive

- For addition to cement based tile adhesives, add 125ml Davco Lanko 302 Cement Accelerator mixed into the amount of clean water (as specified by the manufacturer) with each 20 kg bag of adhesive.
 - Davco Lanko 302 Cement Accelerator will reduce the amount of working time that the concrete or sand/cement mix normally provides. Always take this into account by mixing smaller batches and carrying out work in smaller stages.
- For any additional mixing instructions not covered above, contact Sika Australia.

Performance

- When added to concrete mixes and sand/cement mortars, Davco Lanko 302 Cement Accelerator will achieve 7 day compressive strengths in 48 hours
- When added to cement-based ceramic tile adhesives, Davco Lanko 302 Cement Accelerator will enable grouting in 2 hours

APPLICATION TECHNIQUES

- Refer to individual mortar datasheets for details on application techniques

Clean-up Instructions:

- Clean mixing and application equipment with water immediately following use

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

- 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

- Always pre-dilute Davco Lanko 302 Cement Accelerator. Do not add Davco Lanko 302 Cement Accelerator directly to the dry concrete or sand/cement mix
- Davco Lanko 302 Cement Accelerator contains Calcium Chloride and is not suitable for use in concrete containing metallic hardeners and pre-stressed steel
- For applications not mentioned on this 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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