

CEMENT ACCELERATING ADDITIVE FOR HIGH EARLY STRENGTHS OF CONCRETE AND MORTARS

302 CEMENT ACCELERATOR

A D D I T I V E

LANKO

DESCRIPTION:

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. 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/ADVANTAGES:

- 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.
- Lanko 302 Cement Accelerator can be used to speed drying times in Davco cement based adhesives.
- Lanko 302 Cement Accelerator promotes high early strength and allows earlier finishing and removal of formwork and moulds.
- By using Lanko 302 Cement Accelerator you can achieve 7 day compressive strengths in 48 hours.

TEST DATA:

Properties:

Appearance	Clear liquid
Density:	1.32
pH:	9.1
Initial Set at 20°C: (when mixed with concrete mix)	2 hours
Final Set at 20°C: (when mixed with concrete mix)	4 hours

MIXING:

- Lanko 302 Cement Accelerator must always be pre-diluted before addition to the concrete or sand/cement mortar.
- Always add the correct dose of 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	0.125L per 20 kg bag of cement-based tile adhesive

- For addition to cement based tile adhesives, add 125ml Lanko 302 Cement Accelerator mixed into the amount of clean water (as specified by the manufacturer) with each 20 kg bag of adhesive.
- 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.

PERFORMANCE:

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

APPLICATION TECHNIQUES:

- Refer to individual mortar datasheets for details on application techniques.

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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

CLEAN-UP INSTRUCTIONS:

- Use water to clean up tools and equipment while material is still wet.

PRECAUTIONS:

- Always pre-dilute Lanko 302 Cement Accelerator. Do not add Lanko 302 Cement Accelerator directly to the dry concrete or sand/cement mix.
- Avoid contact with skin when working with cementitious mixes. Protect by wearing rubber gloves etc.
- Lanko 302 Cement Accelerator contains Calcium Chloride and is not suitable for use in concrete containing metallic hardeners and pre-stressed steel.
- For a full MSDS on this product contact your ParexDavco (Australia) Pty Ltd state office.

PACKAGING:

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

SHELF LIFE / STORAGE:

- Storage: must be stored in a cool, dry elevated place and protected from high humidity.
- Shelf Life: Up to 12 months in unopened containers, if stored as specified above.

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Lanko 302 Cement Accelerator is non-hazardous, according to the Australian Dangerous Goods Regulations for Transport by Rail and Road.
- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact the Lanko Technical Advisory Line.

TECHNICAL SERVICE:

For application procedures or surface conditions not specified above, please contact the Lanko Technical Advisory Line on 1800 653 347 or visit our website on www.lanko.com.au.

DISCLAIMER:

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with Davco's specific instructions.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

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