

ACRYLIC SEALER

SOLVENT-BASED SEALER FOR EXTERNAL USE

742

DURASHIELD

C O N C R E T E R E P A I R & P R O T E C T I O N

LANKO

DESCRIPTION:

Lanko 742 Durashield is a clear single pack, hard wearing, solvent based acrylic polymer surface sealer. Formulated at low viscosity to penetrate the capillary structure of concrete based materials to provide integral protection. Dried film exhibits excellent durability, toughness and water resistance. Non-yellowing formulation.

PLEASE NOTE: the finish provided by Lanko 742 Durashield is NOT classed as a "non-slip" or "anti-slip" surface. The surface may become slippery when wet, depending on the substrate to which it is applied. Contact your Lanko State office for details.

USES:

- Ideal as a "low sheen" sealer for walls and floors where chemical and oil spillage's are likely. Suitable for internal and external applications, as it is non-yellowing and UV resistant.
- To protect concrete floors, exposed aggregate, patterned / stencilcrete concrete drives and paths, renders and concrete blockwork, from moisture ingress, weathering or staining.
- Lanko 742 Durashield may be applied to green concrete, but it is not suitable for application to freshly powdered concrete. Ensure the concrete is at least 7 days old and is surface dry (no external moisture present).
- Reduces dusting of concrete.
- Also suitable for sealing of concrete pavers, fibre cement roofs, terrazzo etc.
- Reduces mould growth by greatly reducing moisture ingress.
- Enhances colour of stencilled and patterned driveways and pavers.

TEST DATA:

Properties:

Appearance:	Clear Liquid
Flash Point:	35.5°C
Drying Times:	2 – 3 hours recoat at 25°C.
Specific Gravity:	0.80 kg/litre
Thinning:	Not required, Lanko 742 Durashield is supplied ready for use

SURFACE PREPARATION:

- Surfaces must be structurally sound, clean, dry and free from oil, grease, paint, curing compounds, release agents and any other loose contaminating materials.
- The surface must be adequately porous in order to obtain best adhesion of Lanko 742 Durashield.
- The surface must be dry.
- Do NOT apply to a pre-painted or already coated surface, as Lanko 742 Durashield may not be compatible with the existing coating. The coating or paint should ideally be removed, or a small test area can be painted with Lanko 742 Durashield and left for 48 hours to determine compatibility.
- Do not apply to wet surfaces and protect from rain for 24 hours after application.
- Old concrete should be thoroughly cleaned.
- Do not apply to surfaces that may have a subsequent covering applied, such as ceramic tiles, render or paint. Adhesion of the covering will be affected.

SURFACE FINISH INFORMATION:

It is important to note that Lanko 742 Durashield is NOT classified as a "non-slip" or "anti-slip" surface. The surface may become slippery when wet, depending on the background substrate it has been applied to.

The following table outlines testing for slip resistance of Lanko 742 Durashield over a concrete surface:

CONTRIBUTION OF THE FLOOR SURFACE TO THE RISK OF SLIPPING WHEN WET*		
SUBSTRATE	DRY	WET
Background Concrete Substrate	W	X
Substrate with Lanko 742 Durashield applied (2 coats, total rate of application 3.5m ² /L)	W	X

* Classification of Pedestrian Surface Materials according to the AS/NZS 4586 Wet Pendulum Test using Four S Rubber.

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- V = Very low, W = Low, X = Moderate, Y = High, Z = Very high

It is the responsibility of the applicator to ensure that the background substrate, upon which the Lanko 742 Durashield is being applied to, is not a slippery surface.

APPLICATION TECHNIQUES:

- Lanko 742 Durashield is a low sheen sealer, and changes the appearance of the masonry surface to which it is applied. This must be taken into account if a clear penetrating look is required. If a sealer is required so the appearance of the surface will not change, then Lanko 231 Masonry Waterproofer should be used.
- Ensure that application equipment (brooms, brushes etc) is solvent resistant.
- Do not apply Lanko 742 Durashield with a high pressure airless spray gun. This will cause problems such as:
 - Blurring and cobwebbing of the finished layer.
 - Low penetration of Lanko 742 Durashield.
 - Vaporisation of the Lanko 742 Durashield will create a health and explosion issue.
 - High wastage.
- Lanko 742 Durashield may be applied with a conventional low-pressure rotary or a gear pump sprayer, or a commercial grade pump-up spray tank.
- **Floors** - apply as above, or with a soft broom, squeegee or long nap roller, taking care to achieve an even continuous film.
- **Walls** - apply with a low pressure spray gun, or with a soft bristle brush, taking care to ensure penetration into the surface.
- Best results are obtained by delivering a soft stream of Lanko 742 Durashield using a fan spray tip with an orifice of 0.75mm to 1.50mm and saturating the treated surface.
- In order to guarantee a uniform coverage, it may be necessary to back-roll sprayed on Lanko 742 Durashield with a nap roller. This will guarantee uniform thickness.

- For full protection 2 coats are recommended. Do not apply excessive amounts of Lanko 742 Durashield, as this can make the surface too slippery.
- Allow 8 hours at 25°C between coats. Then allow a further 24 hours before putting the area into use.

COVERAGE:

Approximately 7m²/L for a single coat, on a smooth concrete surface. This will give approximately 3.5m²/L on a two-coat application, so a 4L can will cover approx. 14m² and a 20L can will cover approx. 70m².

A porous or rough textured finish may require more product to cover the surface, reducing the coverage. **No more than two coats are recommended.**

CLEAN-UP INSTRUCTIONS:

- Excess Lanko 742 Durashield and tools can be cleaned with mineral turpentine.

PRECAUTIONS:

- **PLEASE NOTE: the finish provided by Lanko 742 Durashield is NOT classed as a "non-slip" or "anti-slip" surface. The surface may become slippery when wet, depending on the background substrate to which it is applied.**
- Do **NOT** apply to a pre-painted or already coated surface. Refer to Surface Preparation.
- Do not apply in areas where strong acids, alkalis or solvents are expected.
- Do not apply to masonry where water remains present on the surface (ie. ponding or pooling water). In particular, it is not recommended to use Lanko 742 Durashield in areas surrounding swimming pools.
- When applying to a green slab, ensure the slab has cured for at least 7 days prior to application. Do not apply to a freshly poured slab.
- Do not apply to areas subject to rising damp or hydrostatic water pressure.
- Do not apply to surfaces that may have a subsequent covering applied, such as ceramic tiles, render or paint.

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Adhesion of the covering will be affected.

- Do not apply with high-pressure atomising spray equipment.
- Ensure adequate ventilation in confined areas.
- Do not thin – Lanko 742 Durashield is supplied ready for use.
- Apply in sections so wet material does not have to be walked on during application.

PACKAGING:

Lanko 742 Durashield is available in 4L and 20L metal cans.

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.

SAFETY DIRECTIONS:

Avoid contact with eyes. Wear eye protection when mixing or using. Avoid contact with skin. Wear protective gloves when mixing or using. Wash hands thoroughly after use. Ensure adequate ventilation when using. No smoking. Keep away from heat, sparks and naked flames.

FIRST AID:

For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 03 4747 000) or a doctor (at once). If swallowed, do **NOT** induce vomiting.

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Lanko 742 Durashield is a solvent based sealer.
- According to the Australian Dangerous Goods Regulations For Transport By Rail And Road, Lanko 742 Durashield is classified as follows:
 - Paint Related Material
 - UN No.1263
 - Hazchem code 3[Y]
 - Packaging Group No III
 - Poison Schedule 5

- Class 3

- Lanko 742 Durashield is flammable. Store in a dry place away from open fires, stoves and heaters. Keep lid firmly closed when storing product. Avoid contact with eyes or skin. Avoid breathing in vapour and ensure adequate ventilation. Wear suitable protective clothing, gloves, mask and goggles.
- For a full MSDS on this product, contact the Lanko Technical Advisory Line or visit www.lanko.com.au.

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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