

## Description

rbs Lithurin is a hardener, dustproofer and sealer for concrete surfaces. It is a liquid treatment based on advanced lithium silicate technology, formulated to penetrate concrete substrates and chemically react with free lime within the cement matrix. This reaction forms durable calcium silicate hydrates, which harden the surface, improve long-term durability, and reduce dusting. Suitable for use on both new and existing concrete floors, rbs Lithurin enhances resistance to wear, water, and chemicals, while supporting breathability.

## Advantages

- Increases surface hardness and abrasion resistance.
- Reduces water and liquid absorption.
- Minimises dusting and efflorescence.
- Provides resistance to de-icing salts and freeze-thaw cycles.
- UV and weather resistant, for internal and external applications
- Easy to clean and maintain with reduced dirt retention.
- Enhances surface appearance with a natural sheen.

## Application areas

rbs Lithurin is recommended for treating both new and existing concrete, including surfaces finished with dry shake hardeners. Typical areas of use include:

- Warehouses and distribution centres
- Car parks, garages, and hangars
- Workshops, factories, and logistics areas
- Shopping centres, schools, and public buildings
- Restaurants, museums, and leisure facilities
- External paved areas

## Limitations

Not suitable for friable, weak, or heavily contaminated substrates. Do not apply to surfaces with visible oil, grease, or other contaminants. Surfaces must be sound, dry, and free from standing water before application. A trial area should always be prepared to check compatibility and final appearance. If resin coatings are to be applied later, mechanical preparation will be required to ensure adhesion.

## Application

- rbs Lithurin can be applied to new concrete from 2–3 days after placement, once joints have been cut, or to fully cured existing floors.
- Apply using a low-pressure sprayer or by flooding the surface and spreading evenly with a soft broom or microfibre applicator.
- Keep the surface continuously wet with product for 20–30 minutes, avoiding dry patches.
- Remove any excess material and allow the surface to dry.
- Protect the treated floor from traffic for at least 24 hours.

## Coverage

Typical consumption: 5 - 6 m<sup>2</sup>/l (actual rate will vary depending on porosity, surface finish, and site conditions)

## Cleaning

Clean tools and equipment immediately after use with clean water. Once cured, product residues can only be removed mechanically.

## Storage

Store in unopened original packaging, in dry conditions, between +5°C and +40°C. Protect from frost. Shelf life: 24 months.

## Packaging

Supplied in 20 litre containers

## Technical Data

Appearance	Clear liquid
Chloride content	(EN 1015-17) ≤ 0.05%
VOC Classification	EC1 Plus (very low)

## Health & Safety

For detailed health and safety instructions, please consult the latest Safety Data Sheet (SDS).

## Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy themselves that each product is fit for the purpose for which they intend to use it. Ensure that the actual conditions of use are suitable, and that in the light of our continual research and development programme, the information relating to each product has not been superseded.

The information given on this sheet is, to the best of our knowledge, true and accurate. No guarantee of the results implied, or any loss or damage arising out of this material, however, are possible as the conditions of application are beyond our control. This is not withstanding any liability arising from the Consumer Protection Act 1987 and the Health & Safety at Work Act. Health and Safety data is available on this product and should be referred to prior to its use

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