LARSEN

TECHNICAL DATA SHEET
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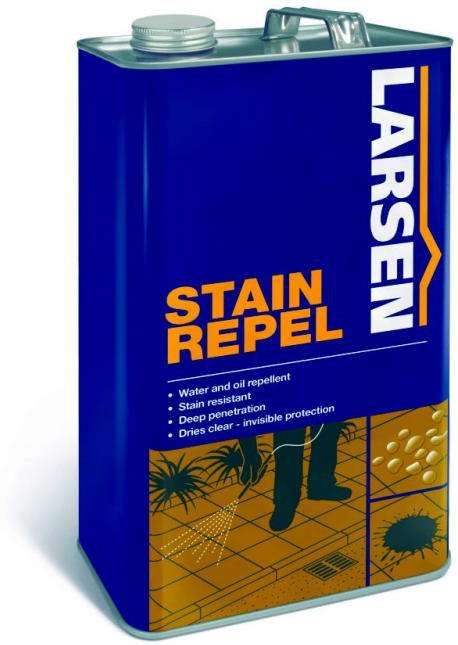
STAIN REPEL

mpa British Precast

Larsen Stain Repel is a solvent based mixture of silane, siloxane and fluoropolymer impregnating water and oil repellent. Unlike conventional water repellents Stain Repel is also oleophobic i.e. oil repellent. This serves to leave the treated surface stain-resistant as both water and oil based staining is much more easily removed. The treated surface remains breathable. Stain Repel is ideal for the treatment of facades and pavements composed of cement based render or blocks, natural stone, concrete or similar materials. It is also suitable for the treatment of window sills, work tops etc manufactured from natural or reconstituted stone or concrete. It is suitable for internal or external use.



REDUCES STAINING
EASY CLEAN SURFACE
OIL & WATER REPELLENT
IMPREGNATING SEAL
NO CHANGE IN APPEARANCE
NO CHANGE IN SURFACE TEXTURE

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TECHNICAL INFORMATION

PRODUCT INFORMATION	
FORM:	Liquid
COLOUR:	Clear (Hazy)
FLASH POINT:	38°C
HAZARD INFORMATION:	Flammable – Wear suitable mask when spraying
CLEANING:	Clean tools, equipment, etc. using thinners, etc. Mechanical means are necessary when the product has set.
PACKAGING:	1L, 5L and 200L
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	Minimum 12 months in unopened manufacturer's packaging
APPLICATION INFORMATION	
APPLICATION RATE:	200 – 400 g/m^2
APPLICATION METHOD:	Brush, Lambskin Roller, Spray
APPLICATION TEMPERATURE:	+5°C to +25°C
DRYING TIME:	30 minutes to several hours, depending on substrate and site conditions
DENSITY:	0.8 kg/L
CURE TIME:	24 - 48 hours for repellent effect to develop
EXPECTED LIFE:	15+years in horizontal and vertical applications. Expected life is dependent on traffic, exposure, application rate etc

DIRECTIONS FOR USE

PREPARATION

Larsen Stain Repel is designed for application on absorbent substrates such as concrete, reconstituted stone, render, and natural stone including low-porosity stone like marble, travertine and granite.

New concrete should be a minimum of 28 days old to ensure maximum penetration. Stain Repel may also be applied to older existing concrete.

All substrates should be dry, absorbent, clean and thoroughly sound and free from oils, grease, coatings, curing membranes or any other contaminants which may interfere with penetration. Old surfaces which are contaminated with oil, tyre marks etc should be steam cleaned and allowed to dry before application. All surfaces should be uniformly dry with no damp patches.

APPLICATION

Always carry out a trial area first to check for possible discoloration.

Stain Repel is supplied ready for use and should not be diluted. Apply liberally by brush or lambskin roller. The product may be sprayed, but care should be taken as it is a solvent based material. As a guide, apply at a rate of 200 – 400 g /m^2. The exact amount depends on absorbency of the substrate. A second coat may be applied at any time after the first has penetrated the surface, although this is rarely required.

Do not allow material to ‘pond’ on surface. Any material not readily absorbed into the substrate should be removed. Care should be taken when spraying to prevent over-spray landing on surrounding areas or being carried by wind. Building elements, windows, plants etc nearby should be covered with polythene sheeting during the spraying process.

It is advisable to carry out a trial area of 1-2m^2 to calculate coverage specific to the area to be treated when pricing.

The repellent effect develops within 24-48 hours.

It is expected that surfaces treated with Larsen Stain Repel will have greatly reduced incidence and severity of staining and will remain easier to clean and maintain compared to similar untreated surfaces. This protection can be expected to last up to 15+years in horizontal and vertical applications depending on level of traffic, maintenance, type of surface treated, application rate and site conditions, etc.

MAINTENANCE

Stain Repel treated surfaces will suffer the build-up of dirt and grime in the same way as an untreated surface would however these contaminants are much more easily removed by normal cleaning methods returning the surface to an original condition. To remove the majority of surface stains and blemishes, standard scrubbing or power washing will achieve the desired result. It is recommended that the brushes are polypropylene and not wire. A regular, frequent cleaning regime is necessary to maintain the performance and reduce the risk of any staining becoming permanent.

RESTRICTIONS

Treated surfaces must be protected from rain until dry. Stain Repel should not be used if the temperature is below 5°C on a falling thermometer or below 3°C on a rising thermometer. All surfaces to be treated must be frost free and dry. Not suitable for contact with bitumen or some insulation materials. Always carry out a trial area first. To reduce the risk of permanent staining - oil, grease and paint should be cleaned as soon as possible from the treated area. It may be necessary to repeat treatment with Stain Repel after thorough cleaning to remove stains has taken place. Do not allow to contaminate the water course or to enter drains. Dispose of packaging and unused materials appropriately as hazardous (solvent) waste.

QUALITY

This product is manufactured in a plant controlled under an integrated management system third party certified to BS EN ISO 9001.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product’s suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

For further information consult our Technical Department
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