



Lapidolith

Concrete Hardener/Dustproofer

USES

Lapidolith is used to harden, dustproof and improve the wear and chemical resistance of new or aged concrete and terrazzo floors. Lapidolith is particularly effective on floors in warehouses, aircraft hangers, commercial garages, chemical installations, hospitals, breweries, schools, dairies, bakeries, canning factories, laundries, textile mills, industrial plants etc. On vertical surfaces of bridges, walls, pre-cast panels and columns, Lapidolith is applied by brush or suitable spray equipment, working from the top down. It enhances resistance to weathering, acid and salt attack.

DESCRIPTION

Lapidolith is a colourless solution of chemically active hardening agents of the fluosilicate family. Containing sophisticated wetting agents, penetration into the cementitious matrix is more effective than conventional hardeners resulting in a hardening and dustproofing in depth.

ADVANTAGES

Acid/alkali resistant	treated surfaces are strongly resistant to most organic acids and alkalis, organic & inorganic chemicals, oils and greases
Hygienic	treated surfaces will not support growth of mildew and fungi
Hardens/dustproofs	penetrates concrete floors to harden and dustproof
Wear resistant	improves wear resistance of concrete & terrazzo floors
Easy clean	cleaning maintenance is greatly improved

PHYSICAL PROPERTIES

Specific gravity	1.17 ± 0.01 at 20°C
Appearance	Water white liquid

CHEMICAL RESISTANCE

LAPIDOLITH is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

COLOURS

LAPIDOLITH is a water white solution.



TEMPERATURE

LAPIDOLITH should not be applied at temperatures below 2°C and above 35°C

INSTRUCTIONS FOR USE

SURFACE PREPARATION

All surfaces must be clean, dry and free of all loose dirt, oil, wax sealers and curing compounds. New concrete should ideally have been cured for at least 28 days.

MIXING AND APPLICATION

LAPIDOLITH is supplied in drums for dilution with water. Dilution rates are supplied with the product.

GENERAL – Application should be spread over a minimum of 2 days. Three applications of Lapidolith are required on un-coloured concrete and terrazzo floors. Wood-floated or broom finished floors may require a fourth application, applied full strength. Applications can be sprayed or flushed onto the surface, then distributed evenly with a long handled brush or rubber squeegee. Excess solution should be mopped up. In certain circumstances where particularly dense high strength floors are concerned a two-coat application is practicable. Use the dilution rates as shown under first and second coats, coverage will increase correspondingly by approximately 25%

NOTE – For Lapidolith to be effective each application to a specific surface must be diluted as indicated in the 'coverage chart'.

IMPORTANT – Should white crystals develop on the substrate surface after the 1st or 2nd coat it is a sign of too strong a mix or that the surface has reached maximum hardness. If this occurs the application should be stopped immediately and the surface flushed with clean hot water, brushed with a stiff bristle broom, then allowed to dry. If any applications remain, the dilution ratio may be increased to avoid further problems.

MAINTENANCE – Routine sweeping and washing of floors with mild conventional cleaners and detergents is recommended for maximum life expectancy. Remove all abrasive grit and wipe up corrosive spills as soon as possible.

COVERAGE & PACKSIZES

Pack size - kg

23.4 kg

Approx. Coverage Based on 3 coats to Concrete

40-60 m²

Pack size - ltr

20 ltr

Approx. Coverage Based on 3 coats to Terrazzo

120 m²

COVERAGE CHART

<u>Type of Surface</u>	<u>Coverage m²/ltr</u>	<u>Dilution Ratio Water</u>	<u>(By volume) Lapidolith</u>
Light to moderate Duty floor	2	2	1 First
		1	1 Second
		1	2 Third
Heavy duty or Dense floor	2-4	3	1 First
		2	1 Second
		1	1 Third
Wood floated or Brushed finished Floor	2	2	1 First
		1	1 Second
		1	1 Third
Terrazzo	6	3	1 Each
Coloured Concrete	6	4	1 Each

(3 applications required)

PRECAUTIONS

LAPIDOLITH is a non-flammable product. Metallic fluosilicates as contained in Lapidolith are poisonous and the solution or dilutions thereof should not be consumed. Additionally, Lapidolith is mildly acidic and should not be allowed to come into contact with the skin, eyes, hands etc. Copious washing should be recommended and in the event of ingestion seek medical advice immediately. When applying Lapidolith, personnel should wear rubber boots and rubber gloves. Recommendations for the number of applications and the dilution ratios are based upon average conditions. Do not allow Lapidolith to dry on coloured Terrazzo floors, except as indicated in application instructions. If mixing or handling Lapidolith in anything other than the original container provided, a plastic bucket should be used. Lapidolith should not be allowed to come into contact with any glass, fabric, metal or painted surfaces. Should this occur, the surface should be wiped with a clean water saturated cloth and then wiped dry with a second clean cloth.

DISPOSAL

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

STORAGE

Shelf life at least 12 months if stored in original containers between 10°C and 25°C.

CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is backed by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

SPECIFICATION

Floors should be sealed and dustproofed with Conren Lapidolith liquid chemical case hardener.

All products to be applied in accordance with Conren's written instructions.

Conren Limited

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