



Lapidolith

Concrete Hardener / Dustproofer

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. Lapidolith is used to harden, dustproof and improve the wear and chemical resistance of new or aged concrete and terrazzo floors.

USES

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.

ADVANTAGES

- **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.
- **Acid/alkali resistant** treated surfaces are strongly resistant to most organic acids and alkalis, organic & inorganic chemicals, oils and greases.

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

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. 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. Please refer to coverage chart. 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.

INSTRUCTIONS FOR USE CONTINUED

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%.

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 & PACK SIZES

Pack Size (Kg)	Pack Size (ltr)	Approx. Coverage based on 3 coats on Concrete	Approx. Coverage based on 3 coats on Terrazzo
23.4	20	40-60 m ²	120 m ²

Type of Surface	Approximate Coverage Diluted Lapidolith m ² /ltr	Dilution Ratio : Water / Lapidolith
*Light to Moderate Duty Floor	2 m ² /ltr	1 st Coat = 2 Parts Water / 1 Part Lapidolith 2 nd Coat = 1 Part Water / 1 Part Lapidolith 3 rd Coat = 1 Part Water / 2 Part Lapidolith
*Heavy Duty or Dense Floor	2-4 m ² /ltr	1 st Coat = 3 Parts Water / 1 Part Lapidolith 2 nd Coat = 2 Parts Water / 1 Part Lapidolith 3 rd Coat = 1 Part Water / 1 Part Lapidolith
*Wood Floated or Brushed Finished Floor	2 m ² /ltr	1 st Coat = 2 Parts Water / 1 Part Lapidolith 2 nd Coat = 1 Part Water / 1 Part Lapidolith 3 rd Coat = 1 Part Water / 1 Part Lapidolith
**Terrazzo	6 m ² /ltr	1 st Coat = 3 Parts Water / 1 Part Lapidolith 2 nd Coat = 3 Parts Water / 1 Part Lapidolith 3 rd Coat = 3 Parts Water / 1 Part Lapidolith
*Coloured Concrete	6 m ² /ltr	1 st Coat = 4 Parts Water / 1 Part Lapidolith 2 nd Coat = 4 Parts Water / 1 Part Lapidolith 3 rd Coat = 4 Parts Water / 1 Part Lapidolith

* 2-3 coats required – Please carry out a trial area with the 3rd application to determine if the substrate is sealed. If crystals form on the surface wash these off immediately with hot water and do not apply the 3rd application.. If crystallisation does not appear on this trial area, continue with the 3rd application to the entire area. ** Terrazzo tiles require a 3 coat application.

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

PRECAUTIONS

For further information on our precautions please see the MSDS.

Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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