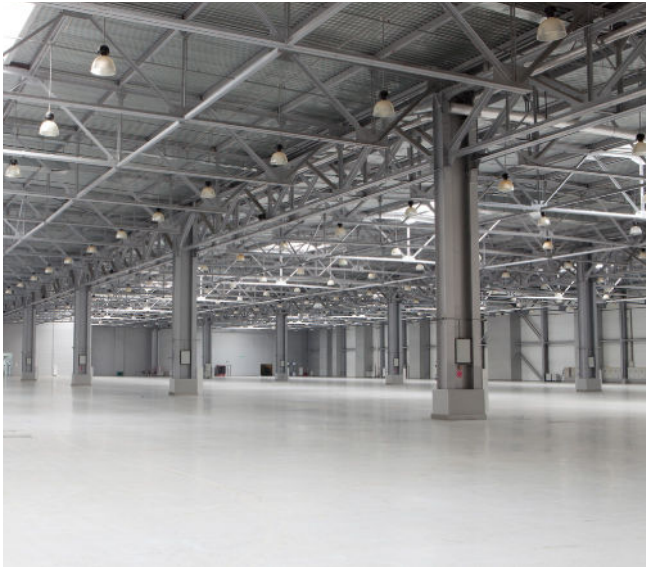


LISOFLOOR 950

Hardener & Sealer For Concrete Surfaces



CHARACTERISTICS

LisoFloor 950 is a hardener combining the latest generation of silicates.

PRODUCT DESCRIPTION

LisoFloor 950, this hardener provides a combination of the latest generation of silicates. A new potassium silicate combined with the latest developments in lithium silicate, this combination can be sprayed on new or old concrete.

Excellent anti-dusting properties with an increase in surface hardness between 15 and 25% and exceptional waterproofing. This aqueous solution is simple to use, requires no rinsing with water and complies with the VOC standards in force worldwide.

Sprayed on new or existing concrete, this product penetrates more deeply due to the small size of both Potassium and Lithium molecules and reacts with the free calcium present in the concrete. As a result of this chemical

reaction, it forms an insoluble calcium hydrate making the concrete more resistant to water, stains and abrasion. As a result, the concrete is easier to maintain and more durable. This product is also suitable for concrete polishing processes and increases the durability of a polished finish.

USES

New or Old Concrete

Factories, Storage, Warehouses, Distribution Centres, Food Plants, Textiles, Pharmaceuticals, Electronics.

Refrigerated warehouses, bottling plants, Aeronautical and automotive warehouses, etc.

Buildings: Health Centres and Hospitals, Offices, Restaurant Cafeterias, Penitentiary Institutions, Stores and Shopping Centres, Schools, Stadiums, Veterinary Clinics, Common Areas, Aisles and Corridors, Sanitized Environments, Kitchens, Laboratories.

PHYSICAL PROPERTIES

- Transparent liquid, aqueous solution
- Total in solids: 18%
- Active ingredients: 100%
- pH: 12
- Density: 1.11
- Boiling point: 100°C
- Freezing point: 0°C
- Penetration: minimum 2 mm depending on the porosity
- Shelf life: 1 year in original closed container and stored in a closed area.

Leading manufactures of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.

Distribution facilities nationwide

Western Cape

+27 (0)21 535 4455

Eastern Cape

+27 (0)41 451 3944

Gauteng

+27 (0)11 822 7242

KwaZulu-Natal

+27 (0)31 705 7733



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TECHNICAL FINISHES
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PREPARATION, APPLICATION, MAINTENANCE:

General Remarks

- Never apply in freezing or rainy weather. Apply a test patch on the concrete in an inconspicuous place.
- Never dilute or add other products or liquids to the base product.
- It is very important to thoroughly mix LisoFloor products before and during use.

APPLICATION SYSTEM

Process:

Using an HVLP sprayer, or a pump sprayer for small jobs, spray the product evenly over the surface. 1 litre covers between 4 and 16 m² (depending on the hardness of your surface). Spread the product with a soft bristle broom or a flat microfibre pad.

Keep the surface wet for at least 20 minutes, adding additional material if necessary applied wet on wet. Remove excess ponding of product.

Allow to dry after final application.

For some hardeners, it is very important to clean the surface after 20/30 minutes with a scrubber to avoid any silicate residue. If you do not clean, your surface will be covered with white crystals and it will be very difficult to remove them.

Finishing Stage:

When the hardener is dry, everything will depend on the surrounding atmospheric conditions, i.e. between 1 hour and 24 hours, at which time you can proceed to the finishing stages:

Either sand, polish or shine your surface with a high-speed machine so that you can apply finishing products if necessary.

Special Conditions:

- In hot and windy weather, it may be necessary to spray water on the hot concrete to cool the surface before

applying your hardener.

- In a cold, humid or windy environment, as well as for mass tinted surfaces, the hardener may remain wet for a long period of time. After 30/40 minutes of waiting time, use a scrubber-dryer to rinse the surface and pick up excess material. (Risk of salt residues.)
- Wear gloves and safety glasses
- Cover all metal and glass parts before application

On newly placed concrete (fresh concrete), LisoFloor 950 hardener can be applied immediately after placing the concrete or immediately after the joints have been cut and cleaned, or at any time thereafter at the discretion of the project manager.

NB: Our hardeners cannot be considered a curing product.

CONSUMPTION:

Polished Concrete C30/35 : 10 to 15 m² / L

Polished Concrete C25/30 : 7 to 10 m² / L

Polished Concrete C20/25 : 6 to 7 m² / L

Consumption is always dependent on the concrete used. The table above indicates quantities that our customers commonly encounter. It is therefore always necessary to test beforehand.

CLEANING

Use soap and water to clean tools and equipment. Although our hardeners are non-toxic and environmentally friendly, they are alkaline, and any excess product should be collected or disposed of in accordance with local regulations. Do not pour into sewers or rainwater drains.

Please read all SDS & TDS for each product as all our hardeners have a specific purpose!

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MAINTENANCE

Clean the surface minimum once a week with a scrubbing machine and neutral soap during the first month of the application, it will increase the hardness, and resistance to various stains such as oil, beverage, etc.

SAFETY

For more information, please refer to the safety data sheet, however:

- Keep out of reach of children
- Protect from frost
- Wear gloves and safety glasses
- Cover all metal and glass parts before application

EQUIPMENT

- Auto Scrubber with brushes and pads
- Vacuum machine
- Spray pump or HVLP
- Brush, roll
- To polish, use a polishing machine or burnishing machine with metal or diamond resin pads.

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