

REC DEN 122

LIQUID CONCRETE DENSIFIER & DUST PROOFER

DESCRIPTION

REC DEN 122 is a water-based sodium silicate solution used to densify and dustproof concrete surfaces. **REC DEN 122** chemically reacts within the concrete and becomes an integral part of the surface, making the treated concrete denser and easier to maintain.

PRIMARY APPLICATIONS

REC DEN 122 is suitable for the following applications:

- Interior or exterior horizontal concrete surfaces.
- Educational and medical facilities.
- Office and multi-residential buildings.
- Warehouse floors.
- Food storage areas.

FEATURES AND BENEFITS

- Seals, densifies, and dustproofs concrete in one operation.
- Water-based and low-odor.
- Treated concrete resists penetration of water.
- Can be tiled over.
- Low VOC content.
- Can contribute to LEED points.

TECHNICAL INFORMATION

Foot Traffic	4–6 hours
Wheel Traffic	24 hours
VOC Content	≤5 g/L
Appearance	Clear liquid
Specific Gravity	1.10 ± 0.05

NOTE: Immediately after application, the color of the concrete may appear darker. As **REC DEN 122** cured and dried, the treated concrete will return to a nearly unaffected appearance.

DIRECTIONS FOR USE

a. SURFACE PREPARATION

The concrete surface must be clean, dry, and free of contaminants or coatings that may interfere with the penetration of **REC DEN 122**. **REC DEN 122** is not a curing compound and should only be applied to concrete that has been cured using an industry-accepted method, such as wet curing, sheet curing and application of a curing compound. If a curing compound has been used, it must be completely removed before applying **REC DEN 122**.

b. MIXING

REC DEN 122 is ready to use and requires no pre-mixing.

c. APPLICATION

Apply **REC DEN 122** to the concrete surface in a continuous film. Scrub the **REC DEN 122** into the concrete and immediately brush out all puddles and runs. The product should be allowed to soak completely into the concrete. Additional coats may be applied if the concrete surface remains absorptive. However, do not allow excess **REC DEN 122** to dry on the surface. If a subsequent coat does not appear to be soaking into the concrete, immediately stop application and remove excess **REC DEN 122** from the surface using a vacuum or squeegee.

d. CLEAN-UP

Clean brushes, tools, and equipment, and flush the sprayer with potable water immediately after use.

d. PRECAUTIONS AND LIMITATIONS

- Protect **REC DEN 122** from freezing. If the product freezes, allow it to thaw and then stir or agitate thoroughly before use.
- Protect metal, glass, wood, paint, and brick from contact with **REC DEN 122**. If the product is accidentally over sprayed onto these surfaces, wash them immediately with clean water.
- If additional abrasion resistance is required in new construction, consider using a dry-shake floor hardener.
- Allow the product to dry for 4–6 hours at 21°C before exposure to foot traffic or rain.
- If excess **REC DEN 122** remains on the concrete surface, a white residue may form. Remove the residue by scrubbing immediately. If the residue is allowed to dry, removal of the white discoloration may require mechanical methods such as grinding or sanding.
- Please consult technical department of RECKON CHEMICALS PVT Ltd. Lahore.

COVERAGE

3.8 L of **REC DEN 122** will cover approximately 14–56 m² of concrete surface, depending on the porosity of the concrete and site requirements.

The following coverage rates are approximate:

Application	Rough Finish	Finely Textured	Hard-Troweled
Newly Cured Bare Concrete	4.9 m ² /L	(7.4 m ² /L)	9.8 m ² /L
Floors to be Tiled	12.3 m ² /L	—	—
Dusting Concrete or Terrazzo	7.4 m ² /L	12.3 m ² /L	—

NOTE: After the initial coat, additional coats may be required to seal the surface. Coverage will increase with each additional coat.

PACKAGING

REC DEN 122 is packaged in 210 L drums and 30 L pails.

SHELF LIFE

2 years when stored in the original, unopened package.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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