

CCS Densifier

DESCRIPTION

CCS Densifier is a water-based penetrating hardener, densifier, and dustproofers designed to increase abrasion resistance and reduce the surface absorption of liquids on concrete floors.

The product contains low volatile organic compounds (low voc) and is **Green Star IEQ-13 compliant**.

CCS Densifier reacts with elements in the concrete surface to impart a low sheen which enhances the appearance of the surface whilst maintaining a natural concrete look.

RECOMMENDED USES

- Interior and exterior concrete floors.
- Polished concrete floors.
- Warehouse floors.
- Commercial floors.
- Manufacturing plants.
- Distribution centers/warehouses.
- Workshops and car parks.

PACKAGING

CCS Densifier is available in a 20 litre drum.

COVERAGE RATES

One litre of CCS Densifier will cover approximately 5-6m² of steel-trowelled concrete depending on the porosity of that surface.

APPLICATION METHOD

Apply CCS Densifier using a low-pressure sprayer and/or mechanical scrubber.

PREPARATION - Existing Concrete

- All surfaces to be sealed should be clean from all contaminants such as curing compounds, membranes and coatings.
- The surface to be sealed must be dry prior to the application of CCS Densifier.
- If the concrete surface has been burnished or excessively trowelled, we recommend a light grind or abrading of the concrete to 'open' the surface (for maximum penetration).

FIRST COAT

1. Stir thoroughly before use.
2. Apply CCS Densifier to the concrete surface in a continuous operation at an average rate of 5m²/litre, using a low pressure sprayer and/or a mechanical scrubber. (The scrubbing action assists with the penetration of the material). In smaller areas and along the perimeter of the slab a hard bristle broom may be used.
3. Because the product needs to chemically react with the calcium hydroxide within the concrete, it is imperative that the product does not dry out too quickly. Consequently the floor must remain wet with the product for a minimum of 20 minutes.
Note: If an area does begin too dry too quickly within the 20 minute timeframe, re-apply CCS Densifier to the surface. Do not add water to the material or to the surface being treated.
4. Do not allow product to pool on the surface. Remove excess product by brooming or mopping the surface thoroughly.

MECHANICAL POLISHING CONCRETE CCS Platinum Polish System

Apply CCS Densifier before the 200 grit or fine grinding polish concrete process.

Then follow the same procedure as indicated above. Leave area to dry and fully cure for 24 hours then continue with the 400 grit polishing process.

APPEARANCE

After placement, the concrete may initially appear darker than the surrounding concrete. As the product dries out, the concrete surface will gradually increase in hardness with a subsequent increase in gloss level.

If an immediate gloss is required, the concrete surface can be buffed with a floor polishing machine and a buffing pad, once the sealer has cured for 24 hours.

CLEAN UP

Clean all application tools with water.

DRYING

Allow CCS Densifier to dry for approximately 4–6 hours for pedestrian traffic and 24 hours before subjecting the surface to vehicular traffic.

PRECAUTIONS

- CCS Densifier will not penetrate curing compounds. These must be removed prior to application.
- CCS Densifier is not recommended as a curing compound.
- During application be sure to protect all metals, glass, paint, or brick surfaces. If accidentally over-sprayed, immediately wash the surface with clean water.
- CCS Densifier will not change the slip resistance of the concrete surface. Smooth and slippery concrete will remain smooth and slippery.
- Do not apply the material in cold or freezing temperatures.

Note: As CCS Densifier activates by mixing with the calcium hydroxide in the concrete the products performance may be reduced when used over rain damaged or overworked concrete. This product can not fix poor concrete.

STORAGE

Store between 10°C and 30°C away from direct sunlight. Partly used containers must be sealed tightly when not in use. The product should keep for up to 12 Months if kept in a cool, dry storage area.

The product should not be loaded with class 4.3 and 5 substances. Keep away from foodstuffs and do not mix with other chemicals.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, inadequate preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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