



EUCOSIL

LIQUID DENSIFIER FOR CONCRETE SURFACES

DESCRIPTION

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

PRIMARY APPLICATIONS

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

FEATURES / BENEFITS

- Seals, densifies and dustproofs in one operation
- Water based, no odour
- Treated concrete resists penetration of water
- Can be tiled over
- Low VOC
- Can contribute to LEED points

TECHNICAL INFORMATION

Typical performance at 21°C

Application	Cure Time
Foot Traffic	4 to 6 hours
Wheel Traffic	24 hours
VOC Content	>5 g/L

Appearance: **EUCOSIL** is a clear liquid that does not change the appearance of concrete. Immediately after application, the colour of the concrete may appear darker. As the **EUCOSIL** cures and dries out, the treated concrete will have a nearly unaffected appearance. Treated concrete will slightly bead water.

PACKAGING

EUCOSIL is packaged in 223 kg (200 litres) drums.

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS / COMPLIANCES

USDA and Canadian Food Inspection Agency

COVERAGE

1 litre of **EUCOSIL** will cover from 3.7 to 15 m² of concrete surface depending upon the porosity of the concrete and job requirements. The following rates of coverage are approximate:

m ² /L	Rough Finish	Finely Textured	Hard Trowelled
Newly cured bare concrete	4.9	7.4	9.8
Floors to be tiled	12.3		
Dusting concrete or terrazzo	7.4	12.3	

Additional coats: After initial coat, additional coats may be required to seal the surface. The coverage will increase with each additional coat.

DIRECTIONS FOR USE

Surface Preparation: The concrete surface must be clean, dry and free of any contaminant or coating which may interfere with the penetration of **EUCOSIL**. **EUCOSIL** is not a curing compound and should only be applied to concrete that has been cured with an industry accepted method, such as wet curing, sheet curing, or application of a curing compound. If a curing compound has been used, it must be completely removed before applying **EUCOSIL**.

Mixing: **EUCOSIL** is ready to use and requires no pre-mixing.

Placement: Apply **EUCOSIL** to a concrete surface in a continuous film. Scrub the **EUCOSIL** into the concrete and brush out all puddles and runs immediately. All of the **EUCOSIL** should soak into the concrete. Additional coats may be applied if the concrete surface is absorptive, but do not allow excess **EUCOSIL** to dry on the surface. If subsequent coats do not appear to be soaking in, immediately stop application and vacuum/squeegee excess **EUCOSIL** from the surface.

CLEAN UP

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

PRECAUTIONS / LIMITATIONS

- Protect **EUCOSIL** from freezing. In the event of freezing, thaw and stir or agitate before using.
- Protect metal, glass, wood, paint or brick from contact with **EUCOSIL**. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- If added abrasion resistance is required in new construction, consider the use of a dry shake floor hardener. See SURFLEX, EUCCO-PLATE HD or DIAMOND-PLATE data sheets.
- Allow the product to dry 4 to 6 hours at 21 °C before exposure to foot traffic or rain.
- If excess **EUCOSIL** is left on the concrete surface, a white residue may form and should be removed by scrubbing immediately. If this residue is allowed to dry, removal of the white discoloration may require mechanical means, such as grinding or sanding.
- In all cases, consult the Safety Data Sheet before use.

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