



THE EUCLID CHEMICAL COMPANY

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EUCOSIL



HARDENING, SEALING AND DUSTPROOFING COMPOUND



EUCOSIL is a sprayable sodium silicate based compound for surface application to harden, seal and dustproof concrete. It can be used on all new concrete surfaces whether fresh or already cured and can be used on older, dusting concrete surfaces.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

- Seals, hardens and dustproofs in one operation
- No solvent vapors when applying
- Mortar and concrete can be easily removed from a EUCOSIL treated floor
- Resists penetration of oil and chemicals and deteriorating actions of salts
- Equipment can be cleaned with water
- Can be tiled over

NOTE: Improved stain resistance can be achieved with EUCO DIAMOND HARD

SPECIFICATIONS/COMPLIANCES

- Authorized by U.S.D.A. for use in federally inspected meat & poultry plants.
- This product meets V.O.C. contents in accordance to EPA 40 CFR Part 59 Table I Subpart D for Concrete Protective Coatings with a maximum V.O.C. content of 400 g/l.

PACKAGING

EUCOSIL is packaged in 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

TECHNICAL INFORMATION

V.O.C.: 0 g/l

Typical Performance

Application	Cure Time
Foot Traffic	4-6 hours
Wheel Traffic	24 hours

Shelf Life: 2 years in original, unopened package.

Appearance

EUCOSIL is a clear liquid which dries transparent. After placing, the color of the concrete may initially appear darker than the surrounding concrete. As the sealer cures and dries out, the treated concrete will have a nearly unaffected appearance in dry weather. Treated concrete will slightly bead water.

COVERAGE

1 gal (3.8 liter) of EUCOSIL will cover from 150 to 600 ft² (14 to 56 m²) of concrete surface depending upon the porosity of the concrete and job requirements. The following rates of coverage are approximate.

	ft ² /gal (m ² /liter)		
	Rough Finish	Finely Textured	Well Troweled
Newly Cured Bare Concrete	200 (4.8)	300 (7.4)	400 (9.8)
Floors to be Tiled			500 (12.3)
Dusting Concrete or Terrazzo		300 (7.4)	500 (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.

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

Placement-Apply EUCOSIL to a concrete surface in a continuous film. Best results will be achieved with a hand or power sprayer although a soft bristle broom or squeegee may also be used. Brush out all puddles and runs immediately. Concrete abrasion resistance increases with additional coats of EUCOSIL. Each coat must be thoroughly dry before applying a succeeding coat.

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 misapplied, wash surface with potable water immediately.
- If added abrasion resistance is required in new construction, consider the use of a dry shake floor hardener. See SURFLEX, EUKO-PLATE HD or DIAMOND-PLATE data sheets.
- Allow the product to dry 4-6 hours before exposure to foot traffic.
- **If excess EUCOSIL is left on the concrete surface, a white residue may form and should be removed by scrubbing immediately.**



Eucosil-5.03

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