



# THE EUCLID CHEMICAL COMPANY

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# EUCOSIL

## HARDENING, SEALING AND DUSTPROOFING COMPOUND

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**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
- EUCOSIL is often used to cure concrete

### 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

- Complies with Federal Specifications and Corps of Engineers Specifications for sodium silicate concrete surface treatment.
- 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** is 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 ft<sup>2</sup> (14 to 56 m<sup>2</sup>) of concrete surface depending upon the porosity of the concrete and job requirements. The following rates of coverage are approximate.

	<b>ft<sup>2</sup>/gal (m<sup>2</sup>/liter)</b>		
	Rough Finish	Finely Textured	Well Troweled
Fresh Concrete	300 (7.4)	400 (9.8)	500 (12.3)
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. When used as a cure, coat the edges of the slab first after screeds are removed.

## **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, EUCCO-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.**

Form Eucosil-9.99

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