

ULTRASIL DC9

WATER BASED DENSIFIER AND CURE FOR CONCRETE



EUCLID CHEMICAL

PACKAGING

5 gal (18.9 L) pail
Code: 053F 05
55 gal (208 L) drum
Code: 053F 55
275 gal (1041 L) tote
Code: 053F 27

APPROXIMATE COVERAGE

1 gal (3.8 L) of ULTRASIL DC9 will cover 800 to 1,200 ft² (74 to 111 m²) depending upon the finish and porosity of the concrete.

CLEAN UP

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

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- Meets the moisture retention requirements of ASTM C309 Type 1D, Classes A & B on hard troweled surfaces
- USGBC LEED Version 4, BD&C, ID&C
- ANSI/GBI 01, Green Building Assessment Protocol
- The WELL Building Standard

DESCRIPTION

ULTRASIL DC9 is a water based silicate solution used to densify and cure concrete. It chemically reacts with the concrete surface to enhance hydration of portland cement, helping the concrete reach its design properties. ULTRASIL DC9 becomes an integral part of the concrete, resulting in floors that are denser, more durable, and easier to maintain. ULTRASIL DC9 may be applied to both freshly placed or existing concrete.

PRODUCT CHARACTERISTICS

PRIMARY APPLICATIONS

- Interior, hard-troweled concrete floors (including hard-troweled floors that will eventually be interior, but are not yet enclosed - *SEE PRECAUTIONS/LIMITATIONS)

FEATURES/BENEFITS

- Water based, no odor
- Compatible with subsequent application of densifiers such as Eucosil, UltraSil Li+, UltraSil 7, and Euco Diamond Hard
- Meets the moisture retention requirements of ASTM C309 Type 1D, Classes A & B on hard troweled surfaces
- Treated concrete resists penetration of water
- Low VOC
- Breathable
- Will not inhibit the adhesion of sealers, coatings, toppings, or coverings

APPEARANCE

ULTRASIL DC9 is a clear liquid that does not change the appearance of concrete.

TECHNICAL INFORMATION

Specific Gravity: 1.1
VOC content: ≤ 5 g/L

DIRECTIONS FOR USE

ULTRASIL DC9 is for use on interior, hard-troweled concrete floors (including hard-troweled floors that will eventually be interior, but are not yet enclosed - *SEE PRECAUTIONS/LIMITATIONS). ULTRASIL DC9 may be applied on freshly placed concrete after final finishing and/or to existing cured concrete. It is ready to use and requires no pre-mixing or dilution.

On freshly placed concrete, apply by low pressure sprayer equipped with a fan tip immediately after final finishing operations and after disappearance of bleed water. Distribute the ULTRASIL DC9 evenly with soft bristle brooms/brushes or a microfiber pad. **Application of ULTRASIL DC9 in excess of the coverage rates outlined on page 1 will cause a white residue to form on the surface upon drying. This residue can typically be removed with stiff brooms or power scrubbers (depending on size of area) after the concrete has hardened sufficiently.**

When applying to existing, cured concrete, ensure the surface is free of curing compounds, bond breakers, oil, dirt, grease or other debris. If necessary, clean concrete surfaces with EUCO CLEAN & STRIP and thoroughly flush with water.

Apply ULTRASIL DC9 using low pressure spray equipment, equipped with a fan or conical tip. **To prevent over-application and puddling, the tip should not exceed 0.50 gallons per minute (GPM) flow rate.**

PRECAUTIONS/LIMITATIONS

- Prevent ULTRASIL DC9 from freezing. In the event of freezing, thaw and stir or agitate before using.
- Protect metal, glass, wood, paint or brick from contact with ULTRASIL DC9. If accidentally oversprayed on these surfaces, wash surface with clean water immediately.
- Allow the product to dry 4 to 6 hours at 70 °F (21 °C) before exposure to heavy traffic.
- When a curing compound meeting all the requirements of ASTM C309 is required, KUREZ DR VOX is recommended.
- When using ULTRASIL DC9 on hard-troweled slabs that will eventually be interior, but are not yet enclosed, it is critical to ensure proper spraying equipment and coverage rate are being used. Exterior conditions (windy, hot, dry, etc.) during application will greatly accelerate the drying of ULTRASIL DC9, making it very challenging to brush or roll out puddled material prior to it drying and leaving a white residue.
- In all cases, consult the Safety Data Sheet before use.

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