

Consolideck® Blended Densifier Concrete Sealer & Densifier Specification

Specifier Note: The information provided below is intended to guide the Architect in developing specifications for products manufactured by PROSOCO, Inc. and should not be viewed as a complete source of information about the product(s). The Architect should always refer to the Product Data Sheet and MSDS for additional recommendations and for safety information.

Specifier Note: Paragraph below is for PART 1 GENERAL, Quality Assurance.

Test Area

Test a representative area of no less than 10 ft. by 10 ft. (and no more than 10% of the total floor area) to confirm surface preparation procedures, coverage rate, reaction time, finished appearance, etc. Use the manufacturers' application instructions. Let test area dry thoroughly before inspection. Get owner's approval before proceeding. Keep test area available for comparison throughout the project.

Specifier Note: Paragraphs below are for PART 2 PRODUCTS, Manufacturers and Products.

Manufacturer: PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255; Fax: (785) 830-9797. E-mail: CustomerCare@prosoco.com

Product Description

Consolideck® Blended Densifier is a blend of silicates designed specifically for steel-troweled or burnished concrete floors. The penetrating, economical treatment reacts with the concrete to quickly create a harder, denser surface. Blended Densifier is safer and easier to apply than conventional sodium silicate hardeners.

Typical Technical Data

FORM: Clear, colorless liquid

SPECIFIC GRAVITY: 1.10

pH: 11.5

WEIGHT/GALLON: 9.2 pounds

ACTIVE CONTENT: 14 percent

TOTAL SOLIDS: 14 percent

VOC CONTENT: 0 grams per Liter. Complies with all known national, state and district AIM VOC regulations.

FLASH POINT: Not applicable

FREEZE POINT: 32 degrees F (0 degrees C)

SHELF LIFE: 2 years in tightly sealed, unopened container.

Specifier Note: Paragraphs below are for PART 3 EXECUTION, Installation.

Application

Before applying, read "Preparation" in the Manufacturer's Product Data Sheet and the Safety Data Sheet for Consolideck® Blended Densifier. Do not dilute or alter. Apply as packaged.

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Steel Troweled / Burnished Concrete

1. Clean concrete of any dirt or residue.
2. Using a low pressure sprayer, apply a single saturating coat of Blended Densifier. Apply sufficient material to wet the surface without producing puddles. Use a Consolideck® microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins.
3. Scrubbing is not necessary. Surface should remain wet for 10 to 15 minutes. Adjust rate of application accordingly. Allow treated surfaces to dry at least one hour.
4. Once dry, burnish with a high speed machine and diamond impregnated pad (800 grit) to remove residue and enhance the surface.

SPECIFIER NOTE: For increased hardening, apply a second application of Blended Densifier and then burnish with a 1500 grit diamond impregnated pad once dry.

SPECIFIER NOTE: For additional shine and protection, apply Consolideck® LSGuard® or PolishGuard according to label instructions.

SPECIFIER NOTE: For improved resistance to water or oily stains, apply Consolideck® SLX100® Water & Oil Repellent or Consolideck® Concrete Protector according to label instructions.

Ground, Honed or Polished Concrete

1. Sand, level or grind the concrete surface with a floor sander, orbital floor machine or diamond grinding as needed to achieve desired exposure. Grind floor to 200 grit resin bond diamonds.
2. Remove all dust and debris using a floor scrubbing machine and fresh water. Allow surfaces to dry.
3. Using a low pressure sprayer, apply a single saturating coat of Blended Densifier. Apply sufficient material to wet the surface without producing puddles. Use a clean Consolideck® microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins.
4. Scrubbing is not necessary. Surface should remain wet for 10 to 15 minutes. Adjust application rate accordingly. Allow treated surfaces to dry at least one hour. Grind with 400 grit resins.

SPECIFIER NOTE: For increased hardening, apply a second light application of Blended Densifier. Allow to dry and continue polishing to desired level.

SPECIFIER NOTE: For additional shine and protection, apply Consolideck® LSGuard® or PolishGuard according to label instructions.

Cleanup: Before product dries, clean tools and equipment with fresh water. Immediately wash off over spray from glass, aluminum, polished or other surfaces with fresh water.

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Final Results: The floor is ready to use when dry. Surfaces will exhibit reduced water absorption and increased surface sheen upon drying. Maximum water resistance will develop over 7 days. Surface sheen and hardness will increase with time and maintenance.