



Commercialon[®] Premium Sealer

Description

Commercialon[®] Premium Sealer is a two-coat, high-solids, polymer-based adhesive isolator, sealer, moisture-control membrane and self-leveling primer. Commercialon Premium Sealer protects flooring installations against subfloor moisture in concrete slabs and high alkalinity levels. Commercialon Premium Sealer eliminates the need for a secondary primer for self-leveling applications.

Features & Benefits

- Moisture-control membrane
- Adhesive isolator and sealer
- pH blocker and primer

Where to Use

- For reducing subfloor moisture vapor emission over concrete slabs.
- For providing a pH blocker on concrete slabs with an elevated pH up to 12.0.
- For encapsulating non-asbestos types of adhesive residues.
- To prime properly prepared cement or wood substrates before the application of self-leveling underlayments.
- To block pet urine stains and related odors on wood and concrete substrates from migrating through to new floor-covering installations.
- Interior residential (rental apartments, condominiums, and homes)
- Interior commercial (office buildings, hotel rooms and hallways, and restaurant dining areas)
- Interior heavy commercial (hotel lobbies, convention centers, airports, and department stores)
- Interior institutional (hospitals, schools, universities, libraries, and government buildings)

Limitations

- Do not install in areas with known hydrostatic moisture, osmotic blistering, or alkali silica reaction conditions.
- Do not install over substrates containing asbestos.
- Do not apply over standing water.
- Do not use below grade.
- For interior installations only.
- Do not use traditional, polymer-modified patching or self-leveling compounds under Commercialon Premium Sealer . Only moisture-resistant, cement-based materials can be used under Commercialon Premium Sealer.
- Do not install when the relative humidity (RH) of the substrate exceeds 97% (per ASTM F2170).
- Do not install when the pH of the substrate is less than 7.0 or greater than 12.0.
- Do not install when the Moisture Vapor Emission Rate (MVER) is greater than 15 lbs. (6.8 kg) per 1,000 sq. ft. (92.9 m²) using an anhydrous calcium chloride test (per ASTM F1869).
- Do not use over residues of pressure-sensitive, epoxy, or urethane-based adhesives.
- All concrete slabs on grade must have an effective, functioning vapor barrier in place below the slab.



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- Do not use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when the ambient relative humidity is greater than 65%.
- Do not install unless the temperature of the prepared concrete slab is at least 5°F (2.8°C) above the dew point, to avoid condensation applications.

Note: Commercialon Premium Sealer is not an equal replacement for a moisture barrier meeting the ASTM F3010-13 standard.

Suitable Substrates

- Absorbent new/existing concrete on or above grade at least 14 days old. A concrete substrate must have some open porosity, with an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of at least #1.
- Carpet adhesive and asphalt cutback adhesive residue that have been completely scraped to the subfloor with only minor stains remaining
- Properly prepared cement terrazzo
- Exterior-rated, cement-based self-leveling underlayments and patching compounds
- Exterior-grade plywood (Group 1, CC type), and other approved wood underlayments (per flooring manufacturer recommendations) as sealer or primer only. The moisture control properties of Commercialon Premium Sealer do not apply over wood underlayments.

Surface Preparation

- To determine if a slab is absorbent, perform a water droplet test by placing several drops of water on the concrete surface. If the water beads, the surface is not absorbent and requires additional preparation to achieve acceptable absorbency. If the water wets out, darkens or penetrates the concrete within 1 minute, the surface is ready to receive Commercialon Premium Sealer. A bond test is always encouraged to determine complete compatibility
- All substrates must be structurally sound, dry, solid, and stable.
- Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. If the surface contains these substances, they must be mechanically removed. Do not use chemical means.

Mixing

Note: Choose all appropriate safety equipment before use. Refer to Safety Data Sheet (SDS) for more information.

- Ready to use; no mixing is necessary. Settling may occur. If needed, gently stir the product until it is smooth and consistent.

Application

Read the flooring manufacturer's guidelines for acclimation requirements and complete installation instructions. Read all installation instructions thoroughly before installation. Install flooring in strict accordance with the flooring manufacturer's written instructions.

1. Pour Commercialon Premium Sealer directly onto the substrate surface.
2. Smooth out the product with a well-saturated 1/4" (6 mm) nap roller, using even and consistent strokes to achieve 100% coverage. Film thickness should be 8 to 10 mils in wet film thickness (WFT).
3. Allow the first coat to completely dry (for about 1 to 3 hours).
4. Apply the second coat, rolling it perpendicular to the direction of the first coat. Film thickness should be 6 to 8 mils in wet film thickness (WFT) after the final application dries.
5. Allow the second coat of Commercialon Premium Sealer to completely dry (for at least 4 hours) before application of patches, adhesives or self-leveling underlayment.
6. Protect the application area from traffic and other trades until the final installation of flooring.



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Note: Always install Commercialon Premium Sealer and then apply patching compounds (unless the compounds are exterior-rated and approved for use under moisture-controlling systems).

Note: Drying time of Commercialon Premium Sealer will vary based on the substrate’s porosity and moisture levels as well as jobsite conditions. Adhesives and patching products will require extended drying times when applied over Commercialon Premium Sealer.

Cleanup

Clean tools and hands with water while the product is still fresh/ wet.

Note: Refer to technical and safety data sheets for complete information regarding uses, application, limitations, and safety.

Protection

- Protect the application area from traffic and other trades until the final installation of flooring.
- Building owners should become aware of the flooring manufacturer’s guidelines for climate-control settings (temperature and humidity). These conditions must be monitored and kept constant to ensure the overall performance and long-term success of the installation.

Product Performance Properties

Laboratory Tests	Results
VOCs (Rule #1168 of California's SCAQMD)	< 50 g per L
pH	8 to 9
Density	8.3 to 10.0 lbs. per US gal. (1.0 to 1.2 g per mL)
Flash Point (Tag)	> 200°F (93°C)

Shelf Life and Product Characteristics

Laboratory Tests	Results
Shelf Life	12 months when stored in original, unopened packaging at 73°F (23°C)
Storage Conditions	Store at 65°F to 80°F (18°C to 26°C)
Polymer Type	Styrene Acrylic
Consistency	Liquid

Protect from Freezing

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 48 hours before work begins.

Application Properties at 73°F (23°C) and 50% relative humidity

Substrate temperature range for application	50°F to 90°F (10°C to 32°C)
Drying time of first coat (8 to 10 mils in wet film thickness of WFT)	1-3 hours
Drying time of second coat (6 to 8 mils WFT)	4 hours



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Packaging

Size
4 Gallon (15, 1 L)

Approximate Coverage*

Flooring Type	Thickness	Coverage
Smooth, porous concrete	Double coat with 1/4" (6mm) nap roller for a total WFT of 14 to 18 mils (two coats)	125 to 175 sq. ft. per U.S. gal. (3.1 to 4.3 m2 per L)
Rough, porous concrete	Double coat with 1/4" (6mm) nap roller for a total WFT of 14 to 18 mils (two coats)	100 to 150 sq. ft. per U.S. gal. (2.4 to 3.7 m2 per L)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to site conditions, product application, and setting practices.