



Commercialon[®] Premium Modular Tile and LVT Adhesive

DESCRIPTION

Commercialon Premium Modular Tile and LVT Adhesive is a superior-performance, acrylic-latex, pressure-sensitive adhesive that is specifically formulated for installing PVC-backed carpet tiles and luxury vinyl tile. It is not recommended for use with non-PVC modular backings. Because of its low odor and low VOCs, Commercialon Premium Modular Tile and LVT Adhesive is ideally suited for use in health-conscious environments where odors associated with new installation are undesirable. It has great re-bond to allow simple, fast removal and replacement of modular floor coverings. It is recommended over virtually all smooth surfaces, including nonporous substrates such as marble, terrazzo, and existing clean and well-bonded resilient flooring.

FEATURES & BENEFITS

- Pressure-sensitive
- Solvent-free
- Environmentally friendly – CRI Green Label Plus GLP50250 SCAQMD Rule 1168 compliant

WHERE TO USE

- Approved for use with luxury vinyl tile, luxury vinyl plank, and PVC backed carpet tiles.
- 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

- For interior installations only.
- Do not install over substrates containing asbestos.
- Do not apply directly over any adhesive residues, including cutback adhesive.
- Install flooring only in areas that are recommended by the flooring manufacturer.
- Do not install into wet adhesive over nonporous substrates.
- Do not use to install luxury vinyl tile or luxury vinyl plank with known dimensional stability issues.
- Do not use to install luxury vinyl tile or luxury vinyl plank in areas that are subject to high heat or direct sunlight.
- Do not install in areas with known hydrostatic moisture, osmotic blistering, or alkali silica reaction conditions.
- 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 when the relative humidity (RH) of the concrete slab exceeds 90% per (ASTM F2170).
- Do not install when the Moisture Vapor Emission Rate (MVER) is greater than 10 lbs. (4.54 kg) per 1,000 sq. ft. (92.9 m²) using the anhydrous calcium chloride test (per ASTM F1869).
- Do not install when the pH of the substrate is less than 7.0 or greater than 9.0.



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Note: For installations where the RH is between 90% to 97% or a when the substrate pH is 9.0 to 11.0, COMMERCIALON PREMIUM SEALER is required.

SUITABLE SUBSTRATES

- Fully cured concrete at least 28 days old (see “Limitations” section)
- Exterior-grade plywood (Group 1, CC type), and other approved wood underlayments (per flooring manufacturer recommendations)
- Properly prepared, and fully bonded VCT or vinyl floor covering (single layer) that is over a year old and adhered with a full spread application of adhesive
- Embossing levelers applied over existing, properly prepared, and fully bonded ceramic, or porcelain tile
- Properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds (per manufacturer recommendations)
- Properly prepared, primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419
- Properly prepared and installed MAPEI epoxy moisture mitigation systems
- Radiant-heat systems that have been properly installed and that are maintained at a maximum of 85°F (29°C) surface temperature

Consult MAPEI’s Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION

- 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.
- All surfaces must be level to 3/16” in a 10-foot span (4.8 mm in a 3.0-m span), even, flat and smooth. Level any high spots and fill all holes or cracks using a high moisture rated cement-based self-leveling underlayment or patching compound.

MIXING

Ready to use. No mixing necessary.



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Read to 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. Select the appropriately notched trowel (see the “Approximate Coverage” chart) and spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. Only apply as much adhesive as can be installed within the working time. For working time and flash time, see the “Application Properties” chart below. Allow adhesive to completely dry with no transfer to finger when touched. Protect the open adhesive from dust and debris, which will inhibit proper bond and decrease tack.
3. Once the flooring is installed, immediately roll flooring with the recommended-weight roller across the width and length of the flooring surface.

CLEANUP

- Promptly clean any adhesive smudges from the flooring material’s surface with water while the adhesive is still fresh/wet.
- Clean tools with water while the adhesive is still fresh/ wet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

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

PROTECTION

- Protect the finished installation from light traffic for at least 12 hours and from heavy traffic for at least 24 hours.
- 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 |
|--|---|
| Percent Solids | 50 to 60% |
| VOC’s (Rule #1168 of California’s SCAQMD) | <50 g per L |
| VOC Emissions (California DPH Section 01350 v1.2-2017) | <0.5 mg per m3 |
| pH | 8 to 10 |
| Density | 7.5 to 9.2 lbs. per US gal. (0.9 to 1.1 g per mL) |
| Flash point (ASTM D56) | > 212°F (100°C) |

This product complies with SCAQMD Rule 1168 and California DPH Section 01350 v1.2-2017 for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): 0.5 mg/m3 or less. Average Adhesive Application in Mass per Surface Area: 6.84 g of adhesive per 0.0361 m2.



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SHELF LIFE and PRODUCT CHARACTERISTICS

| | |
|--------------------|--|
| Shelf Life | 24 months when stored in original, unopened packaging at 73°F (23°C) |
| Storage Conditions | Store at 65°F to 90°F (18°C to 32°C) |
| Polymer Type | Acrylic |
| Consistency | Paste |
| Color | Bluish Green |

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.

PACKAGING

| SIZE |
|-------------------|
| 1 Gallon (3.79 L) |
| 4 Gallon (15.1 L) |

APPROXIMATE COVERAGE *

| FLOORING TYPE | TYPICAL TROWEL | COVERAGE |
|--|---|--|
| Luxury Vinyl Tile and Modular Flooring | 1/32" x 1/16" x 1/32" (0.8 x 1.6 x 0.8 mm) U-notch trowel (0.8 x 1.6 x 0.8 mm) | 225 sq. ft. per 1 U.S. gal. (5.5 m ² per L) (5.5 m ² per L) |
| PVC-Backed Carpet Tile | 1/32" x 1/16" x 1/32" U-Notch Trowel (0.8 x 1.6 x 0.8 mm) | 225 sq. ft. per U.S. gal. (5.5 m ² per L) |
| PVC-Backed Carpet Tile | 3/8" (10 mm) Nap Roller | 270 sq. ft. per U.S. gal. (6.6 m ² per L) |

* Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to site conditions, product application, and setting practices.

RELATED DOCUMENTS

Surface Preparation Requirements" reference guide for floor-covering installation system at www.MAPEI.com.

Refer to the SDS for specific data related to health and safety as well as product handling.