



Commercialon[®] Premium Carpet Adhesive

DESCRIPTION

Commercialon[®] Premium Carpet Adhesive is formulated for the most demanding interior broadloom carpet installations. It forms a powerful bond with stiff and heavy backed broadloom commercial carpets directly over approved substrates. This solvent free adhesive is also low in odor, making it the ideal adhesive for use in health-conscious environments.

FEATURES AND BENEFITS

- Minimal odor
- Low VOCs
- Solvent-free
- Environmentally friendly- CRI Green Label Plus GLP100085
- SCAQMD Rule 1168 compliant

WHERE TO USE

- For the installation of interior broadloom carpet installations
- Interior residential (rental apartments, condominiums, and homes)
- Interior commercial (office buildings, hotel rooms and small retail spaces)

LIMITATIONS

- For interior broadloom 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 use to install nonporous floor coverings over nonporous surfaces.
- Do not use to install vinyl-backed carpet or solid vinyl flooring products.
- 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 65°F (18°C) or above 95°F (35°C), or when the ambient relative humidity is less than 65%.
- Do not install when the pH of the substrate is less than 7.0 or greater than 9.0.
- Do not install when the Moisture Vapor Emission Rate (MVER) is greater than 5 lbs. (2.3 kg) per 1,000 sq. ft. (92.9 m²) using the anhydrous calcium chloride test (per ASTM F1869).
- Do not install when the relative humidity (RH) of the concrete slabs exceeds 80% (ASTM F2170).
- Do not install unless the surface temperature of the substrate is 10°F (5°C) above the dew point.



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SUITABLE SUBSTRATES

- Fully cured concrete at least 28 days old and installed according to ASTM F710 (see "Limitations" section)
- Exterior-grade plywood (Group1, CC type), and other approved wood underlayments (per flooring manufacturer recommendations)
- Properly prepared, and fully bonded VCT (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)

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 an appropriate cement-based self-leveling underlayment or patching compound.

MIXING

- Ready to use; no mixing necessary

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

APPLICATION

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 of the adhesive. For installations over a non-porous surface, let adhesive become tacky before installing the flooring.
3. Protect the open adhesive from dust and debris, which will inhibit proper bond.
4. Install flooring in accordance with the manufacturer's recommendations. Ensure proper transfer of at least 95% to the flooring backing by periodically lifting the membrane.
5. Once the flooring is installed, immediately roll flooring with the recommended-weight roller across the width and length of the flooring surface.

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CLEAN UP

- 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 an appropriate solvent once dried. Use caution some solvents may be harmful to some materials.

PROTECTION

- Protect the finished installation from light traffic for at least 24 hours and from heavy traffic for at least 72 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	60 to 70%
VOC Content (Rule #1168 of California's SCAQMD)	<50 g per L
VOC Emissions (California DPH Section 01350 v1.2-2017)	<0.5 mg per m ³
pH	8 to 10
Density	9.9 to 10.2 lbs. per US gal. (1.19 to 1.22 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: 19.3 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
Storage Conditions	Store at 50°F to 90°F (10°C to 32°C)
Polymer Type	SBR
Consistency	Paste
Color	Beige

SHELF LIFE AND PRODUCT CHARACTERISTICS

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

Flash Time †	0 to 10 minutes
Working Time ††	46 to 60 minutes

† Flash time is the recommended amount of time for a freshly applied adhesive to remain exposed to the air before the installation of a floor covering.

†† Working time is the maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.

NOTE: FLASH TIME AND WORKING TIME VARY BASED ON TEMPERATURE, HUMIDITY, SUBSTRATE POROSITY, PRODUCT APPLICATION, AND JOBSITE CONDITIONS.

PACKAGING

SIZE: 4 GALLON (15, 1 L)

APPROXIMATE COVERAGE*

RECOMMENDED TROWEL	COVERAGE
1/8" x 1/8" x 1/8" U-Notch Trowel (3.2 x 3.2 x 3.2 mm)	6 to 10 sq. yds. per U.S. gal. (5.0 to 8.4 m ² per 3,79 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.