



POWERHOLD

PREMIUM CARPET FLOORING ADHESIVE

Adhesivo superior para pisos de alfombra

DESCRIPTION:

Powerhold 4000 Carpet Flooring Adhesive is recommended for the Direct Glue Down & Double-Bond Methods of Installation with most carpet backings used in heavy commercial applications. Powerhold 4000 is an extremely aggressive adhesive which develops quick tack, for those hard to hold installations. Powerhold 4000 is an excellent choice for installing carpet with Action-Bac, latex unitary, hot melt, or Enhancer backings, in addition to the majority of carpet backings used in the market today. Powerhold 4000 can also be used in the installation of fibrous backed resilient floor covering.

While the adhesive is designed to meet the challenges of poorly ventilated areas, sufficient air exchanges are still required to ensure proper curing of any latex-based adhesive.

Powerhold 4000 Adhesive is LEED compliant and also meets the South Coast Air Quality Management District Rule 1168.

LEED CONTRIBUTION:

E.Q. 4.1: Low-Emitting Materials: Adhesives & Sealants

E.Q. 4.3: Low-Emitting Materials: Carpet Systems

M.R. 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally

M.R. 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

***LEED points are based on all materials used on a project.**

SUBFLOOR PREPARATION:

Follow all manufacturer's recommendations and industry standards regarding sub-floor preparation (ASTM F710). Moisture tests are required on all concrete sub-floors regardless of grade level, if freshly poured or classified as an older slab. Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with moisture levels not to exceed eight (8) pounds per Twenty-Four (24) hours per one thousand (1000) square feet or, ASTM F2170 In Situ Relative Humidity Test with moisture levels not to exceed eighty-five (85) percent. Additional information with regard to these tests and results can be obtained through Powerhold's Technical Service Department.

DIRECTIONS:

1. Subfloor must be clean, dry, smooth and free of any contamination, which may interfere with the adhesive bond. Follow ASTM F3191 to identify acceptable levels of surface porosity.
2. Follow floor covering manufacturer's recommendations regarding layout, cutting, seaming and maintenance.

3. Allow the adhesive to tack up when installing urethane foam backed carpet.
4. While the adhesive is designed to meet the challenges of poorly ventilated areas, sufficient air exchanges are still required to ensure proper curing of any latex-based adhesive.
5. Spread adhesive with the recommended notched trowel leaving ridges of sufficient height to establish complete transfer to back of floor covering. NOTE: Powerhold 900P Primer may be needed to correct extremely porous surface conditions.
6. Lay most floor coverings into adhesive within 20 minutes. Use the "Tacky Method of Installation"[†] when installing non-porous backed carpeting. Lift floor covering periodically to check adhesive transfer to the backing. To achieve the optimum bond, the adhesive should cover 100% of the backing.
7. Use the floor covering manufacturer's recommended roller weight within an hour of placing the carpet into the adhesive. Most seams require seam sealing.

[†]Follow the Carpet and Rug Institute Carpet Installation Standard 2009 where appropriate.

RECOMMENDED SUBSTRATES:

- Concrete
- Portland Based Underlayers
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Sub-floors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

RESTRICTIONS:

1. Do not use to install any vinyl (PVC) flooring.
2. For Interior installations only.
3. Do not install over adhesive residue including cutback.
4. Do not install when MVER is over 8 lbs per 1,000 sf per 24 hours, per ASTM F1869.
5. Do not install when relative humidity is over 85%, per ASTM F2170.
6. Do not install when ambient temperature is not between 60°F & 95°F.
7. Do not install when ambient relative humidity is above 65%.
8. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

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CLEAN-UP:

Remove wet adhesive immediately with a damp cloth. Use Powerhold 050 Cleaner or Mineral Spirits to remove dried adhesive. **CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.**

WARRANTY:

Powerhold offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical service at 800-832-9023 or visiting powerhold.com.

TECHNICAL DATA:

Base Polymer:.....	SBR
Color:.....	Light Tan
VOC Content:.....	<1 gram per liter
pH:.....	9.9
Consistency:.....	Paste
Storage:.....	40°-95°F
Application Temperature:.....	60°-95°F
Traffic Restrictions:.....	Foot Traffic after 12 hours, Heavy Traffic after 24 for wet-set Foot Traffic after 4 hours, Heavy Traffic after 12 hours for dry-set
Open Time:.....	15-20 minutes depending on porosity and ambient conditions
Freeze/Thaw Stability:.....	5 cycles @ 20°F

PACKAGING

4 Gallon (15.14 L) Black Plastic Pails

SHELF LIFE

One Year in Unopened Container

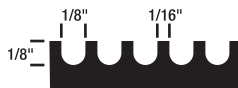
RECOMMENDED TROWEL SIZE AND COVERAGE:



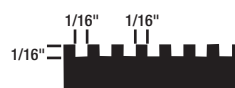
Moderate Backed Carpet
Use a 3/32" x 3/32" x 3/32" V-notch
12-14 sq/yards per gallon



Heavy Backed Carpet
Use a 1/8" x 1/8" x 1/8" V-notch
8-12 sq/yards per gallon



Carpet to Cushion in Double Stick
Use a 1/8" x 1/8" x 1/16" U-notch
6-8 sq/yards per gallon



Felt Backed Sheet Flooring / Cushion to Substrate
Use a 1/16" x 1/16" x 1/16" Square-notch
18-20 sq/yards per gallon