

**Constantine 29
Premium Carpet Adhesive
Low Odor • Fast Tacking • Solvent Free**

Constantine 29 Premium Carpet Adhesive is designed for tough interior carpet installations and carpet to pad systems. **Constantine 29** forms a powerful bond with stiff-backed carpets. This adhesive remains tacky for an extended period of time, is low odor and environmentally friendly.

The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 65°- 95° F, and the humidity below 65% for 48 hours prior to, during, and after the testing and installation. Follow floor-covering manufacturer's installation instructions and proper adhesive application rate.

Concrete substrates must be tested for moisture vapor emissions rate (MVER) per Calcium Chloride Test Method ASTM F1869, or for in-situ Relative Humidity per ASTM F2170. The surface pH must read between 7.0 and 9.0. MVER of concrete substrates must be below 5.0 lbs., or with in-situ Relative Humidity below 80% per ASTM F2170. Site conditions, floor preparations, and moisture and alkalinity must comply with those specified by the Carpet & Rug Institute (CRI 104 or 105).

The floor must be sound, smooth, dry and clean. Remove any dirt, wax, loose paint, existing adhesives, and all foreign matter that would interfere with a good bond. Do not use on substrates that have been chemically cleaned. Seal porous or dusty concrete surfaces. Lay carpet into adhesive that is still wet enough to ensure 100% transfer to the carpet backing, and roll with a 75-100 lbs. roller. When installing over a non-porous surface, let adhesive become tacky.

Type:

- Solvent free, non-hazardous, water based adhesive
- "zero" grams/Liter Volatile Organic Compounds (calculated VOC's)

Advantages:

- Very quick, strong bond development
- C.R.I. Green Label Plus Approved
- May be used on moisture free slabs above, below, or on grade.
- Water clean up when wet
- Low odor - No annoying odors to disrupt the installation

Open Time: 15 to 25 minutes under normal conditions. High humidity and cold, and sealed or impervious substrates will extend open times. Pattern carpet should be installed into adhesive while it is still wet enough that the carpet can be slipped in the adhesive to properly match the patterns.

Trowel Sizes:

Floor Covering Types	Trowel Recommendation	Coverage
Double Stick Installations Pad to Floor	3/32" x 3/32" x 3/32" V-Notch	10 – 15 square yards/gallon
Non-Patterned Products	1/8" x 1/8" x 1/16" V-Notch	8 – 10 square yards/gallon
Patterned Products or Double Stick Installations Carpet to Pad	1/8" x 1/8" x 1/16" U-Notch	5 – 8 square yards/gallon

Uses: EnduraLoc (ActionBac), EPA 1 Unitary, EPA 2 Non-Cushioned Laminate, and EPA 3 Cushioned Backing

Shelf Life: 1 year from manufacturing date, in an unopened container.

This adhesive is not recommended for solid vinyl or vinyl foam backing

This product is not photochemically reactive as defined by California Rules 102 and 443.

VOC content is below that established by California SCAQMD Rule 1168.

05/19/2009

Material Safety Data Sheet

Constantine 29

Revised: 05/19/2009

Supplier:

Constantine Carpet
PO Box 2399
Dalton, GA 30722
Phone: 800.308.4344

24-hour Emergency:
Chemtrec 1-800-424-9300

Product Identification:

Product Class: Aqueous Adhesive
Product Name: Premium Carpet Adhesive
Trade Name: Constantine 29

Hazardous Ingredients: None known.

*All components of this product appear on the Inventory of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).

Physical Data:

Boiling Point: 212° F
Vapor Density: Same as water.
Evaporation Rate: Same as water.
Appearance and Odor: Tan paste, low odor
Weight per Gallon: 9.5 lbs.
Percent Volatile by Weight: 33-35% (as water)
Solubility in Water: Dispersible
V.O.C. (Calculated): "zero" grams/liter

Fire and Explosion Hazard Data:

Flammable Limits: Non-flammable
Flash Point: > 212 deg. F.
Flammability Classification: OSHA: None
DOT: None

Extinguishing Media: CO₂, chemical foam,
water fog

Special Fire Fighting Features: Wear self-contained breathing gear when in confined area.

Health Hazard Data:

Threshold Limit Value: Not established
Effects of Overexposure: No known chronic overexposure effects.

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

Emergency and First Aid Procedure: Eye contact may cause irritation. In case of eye contact, flush with water for 10-15 minutes. If irritation persists, consult a physician. Skin Contact: prolonged contact may cause slight irritation of the skin. Wash with soap and water. If swallowed, consult a physician. Inhalation: if symptomatic, move to fresh air. Get medical attention if symptoms occur.

Reactivity Data:

Conditions to avoid: Excessive heat or cold.
Stability: Stable.
Incompatibility: None known.
Hazardous Decomposition Products: None known; Normal (CO₂, CO).
Hazardous Polymerization: Will not occur.

Precautions for Handling and Use:

Ventilation: Local ventilation.
Protective Gloves: Recommended.
Eye Protection: Safety glasses.
Hygienic Practices: Wash with soap and water after exposure.
Respiratory Protection: Not required with adequate ventilation.
Other Protective Equipment: None.
Spills: Cover small spills with inert absorbent, then sweep up and place in waste disposal container. Dispose of in accordance with Federal, State and Local regulations.

Special Precautions/Other Comments:

Precautions to be taken in handling and storing: Store inside at a temperature of 60° - 100° F. Do not allow product to freeze.
Other precautions: None

Transportation Data:

D.O.T. Hazard Class: Unregulated