

# Material Safety Data Sheet

## Quantum PS

Revised: 04/23/2009  
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Title: Technical Director

### Manufacturer's Name:

XL Brands  
4284 South Dixie Hwy; Resaca, GA 30735  
Telephone No.: 800-367-4583

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

### Product Identification:

Product Class: Aqueous Spray Adhesive  
Product Name: Carpet Tile Adhesive  
Trade Name: Quantum PS

### 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: Heavier than air.  
Evaporation Rate: Same as water.  
Appearance: Green viscous liquid  
Odor: low odor  
Weight per Gallon: 8.0 lbs.  
Percent Volatile by Weight: 37-40% (water)  
Solubility in Water: Dispersible  
V.O.C. (Calculated): "zero" grams/liter

### Fire and Explosion Hazard Data:

Flammable Limits: No flashing  
Flash Point: > 212 deg. F.  
Flammability Classification: OSHA: None  
DOT: None  
Extinguishing Media: CO<sub>2</sub>, 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 (CO<sub>2</sub>, 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.  
**Propellant:** UN1066 (nitrogen)  
Non-flammable compressed gas.

**Transportation Data:** D.O.T. Hazard Class: 2.2 - Shipments exceeding 1,000 lbs. must be placarded. Surface transportation only.



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and Technology . . .*

## **Quantum PS Spray Pressure Sensitive Adhesive**

**Quantum PS** is a Green Label Plus Certified adhesive packaged in a self-contained cylinder that allows fast application of releasable adhesive for installing vinyl-backed modular carpet tiles. Quantum PS allows the repeated lifting of carpet tiles for access to the floor without damage to the carpet or adhesive. Quantum PS is very low odor and may be used in any health-conscious environment.

### **Advantages:**

- Increases productivity by as much as 70%
- Very Low odor.
- Very quick, strong bond development
- Water and Alkali resistant.
- May be used for installations over concrete with up to 3 pound moisture vapor emissions, as determined by Calcium Chloride Test (ASTM F1869), or 75% relative humidity (ASTM F2170), and pH of 9.0.
- Highly resistant to vinyl plasticizer migration.
- Zero Calculated Volatile Organic Compounds

**Coverage:** 350 – 380 square yards per cylinder (8003 Tip Size)

**Open Time:** Up to 2 hours, after drying.

**Shelf Life:** Six months from manufacturing date, in an unused container. Protect from freezing.

**Substrates:** Steel, terrazzo, APA approved plywood, properly prepared concrete and existing clean, well bonded vinyl flooring.

**Application:** 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. Jobsite conditions must conform to CRI and flooring manufacturer's recommended guidelines.

Substrates must be clean, structurally sound, dust free, smooth and level and free of all existing adhesives, wax, oil, dirt, etc. Do not use on chemically cleaned subfloors. Cracks and holes in excess of 1/16" should be filled with a Portland cement based floor patching compound. Extremely dry or overly porous floors should be treated with an approved sealer or primer, such as Encore Prelude or DriSeal.

### **Directions:**

1. Follow the *Instructions for Use* insert that is packaged with the cylinder.
2. The spray pattern should be 16" to 20" wide with noticeable lines at the top and bottom of the sprayed adhesive. Slightly overlap the top lines of the next pass of adhesive over the bottom lines of the previously sprayed adhesive
3. Clean up adhesive that is accidentally sprayed on finished products with soap and cold water when wet, or safety solvent when dry.

For a releasable application allow adhesive to dry clear before installing carpet tiles

**Safety and Clean up**

Wear safety goggles when spraying adhesive. Never pick up or pull cylinder by the hose. Contents under pressure. Clean spray wand at the end of the day's use. Do not put equipment away without flushing thoroughly with Quantum Cleaner system cleaner.

**Shelf Life**

6 months from date of manufacture. Protect from Freezing.

**Quantum PS** is pressurized with a safe, harmless propellant. This adhesive is not photochemically reactive as defined by California rules 102 and 443. VOC content is below that established by the California SCAQMD Rule 1168.

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