Vinyl PSA Pressure Sensitive Adhesive



1. **Product Name**

   Vinyl PSA Pressure Sensitive Adhesive

2. **Manufacturer**

   Custom Building Products
   10400 Pioneer Boulevard, Unit 3
   Santa Fe Springs, CA 90670
   Customer Support: 800-272-8786
   Technical Services: 800-282-8786
   Fax: 800- 200-7765
   Email: contactus@cbpmail.net
   custombuildingproducts.com

3. **Product Description**

   Advanced pressure sensitive adhesive ideally suited for most LVP/LVT and carpet tile applications. This unique formulation can be used in permanent or releasable applications. The high moisture resistant adhesive has low VOC's and is Floor Score and Green Label Plus certified

   Key Features

   - Roller or trowel applied
   - Superior Moisture Resistance performance [up to 99% per ASTM]
   - Resists roll-up behind trowel
   - Wet or Dry installation applications

   Suitable Substrates

   - Concrete (industry approved)
   - Cement/epoxy terrazzo
   - Plywood and other approved wood substrates
   - Cement-based self-leveling underlayment and patching compounds
   - Properly prepared primed/sealed gypsum underlayment per ASTM F2419
   - Radiant heated floors (temperature should not exceed 85° F)
   - Existing well bonded floor coverings
   - Epoxy Coatings / Mitigation systems

   * All surfaces / substrates above require proper surface preparation

   Acceptable Substrate Conditions

   - RH - 99 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs - situ Probes
   - MVER - up to 12 lbs. / ASTM F1869 Moisture Vapor Emission Rate
   - pH [Substrate] - up to 12

   * Contact Technical Services for test results/readings outside above conditions.

   Limitations to the Product

   IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of Vinyl PSA adhesive. Consult flooring manufacturer for performance data and recommendations.

   - For interior use only. Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists.
   - Do not install into/over standing water (existing substrates and/or new concrete).
   - Existing adhesive must be removed to an embedded residue with no surface trowel ridges.
   - Do not install over treated plywood.
   - Concrete pH not to exceed 12, consult flooring manufacture for limitations.
   - Do not install when MVER exceeds 12 lbs. per ASTM F1869.
   - Do not install when RH/Relative Humidity exceeds 99% per ASTM F2170.

   *Not for use as a moisture mitigation system [see CustomTECH™ MVC]

4. **Technical Data**

   Applicable Standards

   - ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
   - ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Prob
   - ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
   - Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings / RFCI IP#2 - Recommended Installation Practice for Vinyl Composition Tile (VCT)

   Technical Chart

Product Data	Composition	Advanced proprietary multi-polymer blend
	Appearance	Creamy Paste
	Base color	Light yellow
	pH [product]	8.5-9.5
Product Timing	Open/working time – wet set	60 minutes
	Flash time / porous *	15 minutes
	Flash time / non-porous *	30-45 minutes
	Working time Dry Set [accepts flooring installation]	24 hours
Service Timing	Dry-Set Installation - Light Traffic	Immediately after installation
	Dry-Set Installation - Full Service / Heavy Rolling	24 hours
	Wet-Set Installation - Light Traffic	Immediately after installation
	Wet-Set Installation - Moderate/Heavy	24 hours
	Wet-Set Installation - Full Service / Heavy Rolling	48 hours

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Moisture Data	RH / Relative Humidity	up to 99%
	Ph [substrate]	up to 12
	MVER	up to 12 lbs.
Storage	Shelf life	2 years – stored in original unopened packaging at 73° F (23° C)
	Jobsite storage conditions required	50° F to 90° F (10° C to 32° C)
	Protect adhesive containers from freezing in transit, storage and jobsite.	If adhesive container freezes, wait until completely thawed before stirring for use. If product remains separated, do not use and contact CUSTOM Technical Services.
Environmental and Sustainability	Solvents	None
	Isocyanates	None
	VOCs (Rule #1168 of California's SCAQMD) - Super Compliant Products table https://www.aqmd.gov/home/rules-compliance/ compliance/vocs/adhesive-and-sealants	<9 g/L
	*LEED Credits / MR5 and IEQ 4.1	Regional and low emitting materials
	Red List Free: https://living-future.org/declare/ declare-about/red-list/	LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.

* Flash Time is required before flooring installation and will vary based on substrate conditions, porosity and jobsite temperatures and conditions.

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

5. Instructions

General Surface Prep

All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent or inhibit adhesion bonding. Concrete and cement-based underlayment/patching compounds must be fully cured and not exhibit signs of moisture or hydrostatic conditions/issues. Any existing adhesive must be removed to an embedded residue. All surfaces must be level, even, flat and smooth. Self-leveling underlayment Concrete as well as cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.

CUSTOM® products may be used in assemblies over concrete with high moisture vapor emission levels provided that other materials such as finish flooring, adhesives or membranes are approved in these conditions. Consult the manufacturers for their limitations and requirements. Additionally, any sources of moisture are to be limited to initial concrete placement and not from sources such as water intrusion or from a lack of an effective vapor retarder/barrier. Substrate must be prepared per ASTM F710 standards.

It is the responsibility of the installer to determine the suitability of the substrate and any required preparation work necessary to ensure a successful installation.

Assembly mockups will determine suitability for these conditions on specific projects. Contact CUSTOM Technical Services for product information (800) 282-8786.

Fill all surface cracks, grooves, depressions, control joints and non-moving joints According to ASTM F710.

Contaminants or curing compounds should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to moisture beyond the floor covering manufacturers' limits or hydrostatic pressure. Lightweight concrete surfaces must have a tensile strength in excess of 200 psi (1.4 n/mm²). HVAC must be operational between 60-95°F/30-65% relative humidity a minimum of 72 hours prior to installation enabling the substrate, adhesive and flooring to be properly climatized - See flooring manufacture's requirements.

Disable radiant system 24 hours prior, during and after installation - Follow radiant system manufacture's instruction for start-up procedures.

Cleaning of Equipment

Clean with water before adhesive dries. Dried adhesive can be cleaned with mineral spirits.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6. Size & Availability

Contact the manufacturer or visit custombuildingproducts.com for information about product cost and availability.

ITEM CODE	SIZE	PACKAGE
VPSAT4	4 gal (15.1 L)	Pail

7. Product Warranty

- 2 Years - Product only, unopened and properly stored.
- 15 Year System - CUSTOM Adhesive and CustomTECH Floor Preparation Systems.
- FLOOR-MATCH Warranty - CUSTOM Adhesives & CustomTECH Floor Preparation Products/Systems are warranted equal to the Flooring manufacturer's warranty term up to LIFETIME. *See CUSTOM FLOOR-MATCH Warranty, separate document.

8. Product Maintenance

Allow seven days after installation before cleaning flooring with saturated water and liquid compounds. General Contractor, Flooring Contractor and Building owner must provide proper climate controls per flooring manufacturers requirements before, during and after flooring installation. Properly installed product requires no special maintenance, see flooring manufacture for service and maintenance requirements.

9. Technical Services Information

For technical assistance, contact Custom Technical Services at (800) 282-8786 or contact us online at custombuildingproducts.com.

10. Filing System

Additional product information is available from the manufacturer upon request.

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Coverage Chart

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.8 L)		
Porous Floors	170 - 180 sq. ft. (15.79 - 16.72 M^2)	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) SQ [redacted]
Non-Porous Floors	220 - 260 sq. ft. (20.44 - 24.15 M^2)	1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm) U [redacted]
Fiberglass Sheet Goods	up to 350 sq. ft. (up to 32.52 M^2)	3/8" (9.5 mm) Nap Lint Free Roller

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more sizes, use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.