

Carpet Tile PSA Pressure Sensitive Adhesive

1 Product Name

Carpet Tile PSA Pressure Sensitive Adhesive

2 Manufacturer

Custom Building Products
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Santa Fe Springs, CA 90670
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3 Product Description

Carpet Tile PSA pressure sensitive adhesive is a quick flash, high tack solution for carpet tile. This product can be troweled or rolled and can be used in permanent or releasable applications. Carpet Tile PSA is tinted in CUSTOM's signature orange color and dries so that layout lines are visible. This low odor, low VOC product is ideal for occupied environments.

Key Features

- High tack, extremely easy to reposition
- Extended Working Time
- Roller or Trowel applied
- Wet or Dry-set installation applications
- High Moisture Resistance performance [up to 95% per ASTM]
- Resists roll-up behind trowel
- Low odor, low VOC, great for occupied environments

Uses

Suitable as an adhesive for

- Carpet Tile, including the following:
 - Vinyl Backed Carpet
 - Hybrid Resilient / Modular products
 - Non-PVC
 - Polyolefin
 - Felt Backed
 - Woven Textile Backed
 - Bituminous backed carpet tiles
 - Rubber Underlayment (permanent/wet set method)

Suitable Substrates

- Concrete (industry approved)
- Cement terrazzo
- Plywood and other approved wood substrates
- Cement-based self-leveling underlayment and patching compounds
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419
- Existing well bonded vinyl composition tiles

* All surfaces / substrates above require proper surface preparation

Acceptable Substrate Conditions

IMAGE
COMING
SOON

RH – 95 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs – In-situ Probes

MVER – up to 10 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 Carpet Tile 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 10 lbs. per ASTM F1869.
- Do not install when RH/Relative Humidity exceeds 95% per ASTM F2170.
- Wet set method should only be used over porous floors/substrates.

*Not for use as a moisture mitigation system. Contact Technical Services for moisture mitigation system recommendations



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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
- CRI-104-Standard for Installation of Commercial Carpet
- CRI-105- Standard for Installation of Residential Carpet
- 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 Orange
	pH [product]	8.5-9.5
Product Timing	Open/working time – wet set	60 minutes
	Flash time / porous *	30 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
Moisture Data	RH / Relative Humidity	up to 95%
	Ph [substrate]	up to 12
	MVER	up to 10 lbs.

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

Storage	Shelf life	2 years – stored in original unopened packaging at 73° F (23° C)
	Jobsite storage conditions required	50° F to 95° F (10° C to 35° C)
	Protect adhesive containers from freezing in transit, storage and jobsite.	

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/rule-1168-compliant-products#Compliant	<16 g/L
	*LEED Credits / MR5 and IEQ 4.1	Regional and low emitting materials

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

Refer to Technical Bulletin 108 - General Requirements For Installing Finishes Using Products Manufactured by Custom Building Products @
<https://www.custombuildingproducts.com/media/61700718/tb108-general-requirements-for-installing-finishes.pdf>

All surfaces must be structurally sound, clean, dry and free from contaminants or curing compounds that would prevent or inhibit adhesion bonding. Concrete must be free of efflorescence or exhibit hydrostatic pressure and not subject to moisture conditions beyond the floor covering manufacturers' limits. Any existing adhesive must be removed to an embedded residue.

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



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Lightweight concrete surfaces must have a tensile strength in excess of 200 psi (1.4 n/mm²). HVAC must be operational between 50-95°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.

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.

Disable radiant system 24 hours prior, during and after installation – Follow radiant system manufacture’s instruction for start-up procedures and raise temperatures by 5°F increments.

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

NOTE: 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.

Application of Product

Use Proper Personal Protective Equipment (PPE) when handling product.

For best results, materials and area should be between 50° – 95°F (10° C to 35° C) with a maximum of 65% RH ambient for 72 hours before, during and after installation. Large variations of temperature and relative humidity will affect the working time of the adhesive.

- Spread the adhesive on the substrate using the recommended trowel or roller. See coverage table below and always follow floor covering manufactures’ trowel recommendations.
- Pressure sensitive, releasable/dry set installation: Allow the adhesive to dry to touch (adhesive becomes semi-translucent, non-transferrable) before installing the flooring. Install flooring within 24 hours. Protect exposed adhesive from site contamination such as trade traffic and dust.
- For permanent installations, use a “wet-set” installation procedure. Trowel adhesive and wait approx. 5-10 minutes for potential substrate outgassing, then place flooring into adhesive while it is still wet/transferable. This method should only be used over porous floors/substrates.
- Place tile and adjust as needed
- Drying time of the adhesive is influenced by temperature, humidity of the room, air-flow and substrate temperatures/porosity.
- Follow flooring manufacture’s weight and installation recommendations for rolling flooring.
- PROTECTION – General Contractor, Flooring Contractor and Building owner must provide proper climate controls per flooring manufacturers requirements before, during and after flooring installation.

Cleaning of equipment

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

Health Precautions

See Safety Data Sheet for more information

Conformance to Building Codes

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

6 Availability & Cost

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

ITEM CODE	SIZE	PACKAGE
CPSAT4	4 gal (15.1 L)	Pail
CPSAT1-4	1 gal (3.79 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 water and liquid compounds. General Contractor, Flooring Contractor and Building owner must provide proper climate controls and ventilation 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

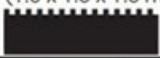

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.8 L)		
Rough Backed Materials	170 - 180 sq. ft. (15.79 - 16.72 M ²)	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) SQ 
Smooth Backed Materials	220 - 260 sq. ft. (20.44 - 24.15 M ²)	1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm) U 
Smooth Backed Materials	up to 350 sq. ft. (up to 32.52 M ²)	3/8" (9.5 mm) Nap Lint Free Roller

Chart for estimating purposes. Apply enough adhesive to gain adequate coverage to ensure proper bond is achieved. 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.



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