

## GCS Series 5082 PSA Adhesive Guidelines

09.09.16

The purpose of this manual is to provide general installations recommendations based on certain installation environments. If there are other questions about a specific issue not covered in this manual, please contact Ground Control Surfaces, 25520 Schulte Court, Tracy, CA 95377 or call 800.536.6858.

### Description

Ground Control Surfaces Series 5082 Vinyl Tile & Plank Adhesive is a solvent free adhesive formulated for the installation of Ground Control Surfaces Luxury Vinyl Tile & Vinyl Plank. This high strength adhesive is designed for installations over porous and non-porous substrates.

Ground Control Surfaces Series 5082 Vinyl Tile & Plank Adhesive is LEED compliant and is compliant with South Coast Air Quality Management District Rule 1168.

**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

Ground Control Surfaces Series 5082 qualifies for Floor Score Certification and Carpet & Rug Institute's Green Label Plus Program. This is a third party certification with the most stringent VOC regulations in the country. 100% of all raw materials used to manufacture this adhesive are extracted, processed and manufactured regionally.

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

### Sub-Floor Preparation

Please refer to the Ground Control Surfaces installation guideline for recommendations and industry standards regarding sub-floor preparation. Moisture tests are required on all concrete sub-floors regardless of grade level or if the concrete is freshly poured or is classified as an older slab. Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with moisture levels not to exceed five (5) pounds per twenty-four (24) hours per one thousand (1000) square feet, or ASTM F2170 In Situ Relative Humidity Test with readings not to exceed eighty (80) percent on existing slabs.

New Construction Projects or Green slabs can have a Moisture Vapor Emission Rate of up to eight (8) pounds per twenty-four (24) hours per one thousand (1000) square feet or 90% when tested in accordance with ASTM F2170. Additional information with regard to these tests and results can be obtained through Ground Control Surfaces Technical Service Department @ 209.830.0235. The maximum pH levels should not exceed a reading of 10.

### Priming

Although NOT required, priming has proven to enhance adhesive qualities and provide a more uniform substrate. Use of primer will maintain relatively even open time of spread adhesive, help equalize adhesive absorption over entire surface and maximize adhesive yield. Determine spread rate of primer in accordance with manufacturer's guidelines and apply as directed.

## Directions

Refer to all manufacturer's recommendations and approvals prior to installation. **For Indoor Use Only.** For best results install at 70°F (+/- 5°) and 50% R.H. (+/- 5%). Spread adhesive using the recommended trowel (see trowel guide below). When installing over a porous substrate the flooring can be laid into wet or dry adhesive. For a wet lay installation spread the adhesive, wait approximately 10-15 minutes to allow the adhesive to flash off. Laying in wet will allow for movement of the flooring until adhesive has set. When installing tile or vinyl plank it is recommended to let the adhesive dry to the touch before installing. When installing over a non-porous substrate, the adhesive **must** be allowed to dry completely (dry to the touch) before laying flooring (see recommended trowel guide when installing over non porous substrates). The dry time will depend on the temperature & humidity of the environment. Once the flooring is installed roll the whole installation with a 100 lb. three-section roller to assure adhesive has made proper contact with flooring.

## Recommended Sub-Floors

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

## Restrictions

1. For Interior installations only.
2. Do not install when MVER is over 8 lbs. per 1,000 sf per 24 hours, per ASTM F1869.
3. Do not install when relative humidity is over 90%, per ASTM F2170.
4. Do not install when ambient temperature is not between 65°-80°F.
5. Do not install when ambient relative humidity is above 65%.
6. The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions.
7. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

## Clean Up

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

## Warranty

Ground Control Surfaces offers a limited warranty for this product when used in accordance with printed instructions and specifications. A copy of the limited warranty can be obtained by calling technical service at 209.830.0235 or visiting [www.groundcontrolsurfaces.com](http://www.groundcontrolsurfaces.com)

CHARACTERISTICS	TROWEL	ESTIMATED SPREAD RATE
Non Porous Substrate	<p>1/16" x 1/16" x 1/16" V</p>	125-175 sf/gallon or 20-23 sq/yards per gallon
Porous Substrate	<p>1/16" x 1/16" x 1/16" SQ</p>	125-175 sf/gallon or 20-23 sq/yards per gallon

TECHNICAL DATA	
Base Polymer	Acrylic Polymer
Color	Light Straw
Solids	70-75%
VOC Content	<1 gram per liter
pH	7.5
Consistency	Paste
Trowelability	Light, Easy
Shelf Life	One Year in Unopened Container
Storage	40° -95°F
Application Temperature	65° -95°F (18° -35°C)
Traffic Restrictions	Foot Traffic after 12 hours, Heavy Traffic after 24
Open Time	Up to 2 hours (non-porous substrate)
Freeze Thaw Stability	5 cycles @ 20°F