



# PowerGrip™

# QUARTZ

PRESSURE SENSITIVE

## Product Information

### Product Description

This formulation is a soft-set, low odor, latex-based, pressure-sensitive adhesive for installing tile over structurally sound, dry concrete, (on, above or below grade). PowerGrip is specifically engineered to adhere tile to concrete with MVER values up to 8lbs, 85%RH and pH 10.

PowerGrip is solvent free, non-flammable, high solids, extremely tacky, extra strong and does not contain hazardous volatile organic compounds per OSHA CFR 1910:1200. This is a specially formulated pressure-sensitive acrylic adhesive that bonds under high moisture conditions.

Carefully follow trowel recommendations and floor preparation requirements. Power-Grip is backed by a 10 year performance warranty.

### Surface Preparation

All subfloors must be level, firm, dry, smooth and free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, densifiers, hardeners or any other foreign material that would inhibit bonding. Use only mechanical or physical methods to clean existing subfloor. Do not acid etch or use any other chemical to clean concrete substrate. Fill cracks, holes, and depressions using a quality Portland cementitious compound, preferably acrylic modified. **Do not use Gypsum based compounds.** Roughen glossy surfaces or flooring with urethane wear layers.

Concrete floors must be free of excessive moisture and alkalinity. It is necessary that an independent series of moisture evaluations be conducted prior to installation per ASTM F1869, F710 and F2170 respectively, to determine vapor emission rate in order to satisfy warranty requirements.

Consult technical advise prior to installation if the resulting vapor emission tests are above 8.0 lbs/1000sf/24hr and/or pH above 10.0 and/or in-situ relative humidity exceeds 85%.

The installation area should be acclimated to at least 60° F for 24 hrs prior, during and 72 hrs following the installation procedure. Do not install if temperature exceeds 80° F.

The concrete **MUST** be porous in order to facilitate bonding with adhesive. Fill cracks, holes, and depressions using a quality Portland cementitious compound, preferably acrylic modified. **DO NOT OVER WATER SKIM COAT**, absorption of adhesive and loss of bond will result due to excessive porosity. Warranty will void.

Prepare concrete surface by abrading using mechanical means. Mechanical preparation removes surface contaminates and hard steel trowel effects. To insure porosity it is recommended that the floor be shot blasted. The steel shot should not exceed #230 mesh. Aggressive shot blasting may require a cementitious skim coat and sanding prior to adhesive application. Other mechanical techniques are acceptable. **Concrete surface condition is critical to insuring maximum adhesive performance.**

### Limitations

- ◆ Do not use a pressure sensitive adhesive to install floor covering materials requiring a wet-set adhesive.
- ◆ This product is intended for interior applications only.
- ◆ Restrict heavy traffic for a period of 24hrs after installation.
- ◆ PSA must fully flash prior to installation.

### Chemical & Physical Properties

<b>Base:</b>	<b>Acrylic</b>
<b>Vehicle:</b>	<b>Water</b>
<b>Color:</b>	<b>White</b> (dries clear)
<b>Solids:</b>	<b>&gt;55%</b>
<b>Density:</b>	<b>9.2lbs/gal</b>
<b>Flammability:</b>	<b>Nonflammable</b>
<b>Consistency:</b>	<b>Pourable Paste</b>
<b>Application:</b>	<b>Notched Trowel</b>
<b>Shelf Life:</b>	<b>One Year*</b>

\*From date of manufacture and stored in original, sealed container

## Application

Acclimate all materials prior to beginning the installation process. Due to varying subfloor conditions it is always recommended that an adhesion test be performed prior to the installation process.

A 1/16" sq notch is recommended over skim-coat due to excess porosity. Expect 135sf/gal coverage.

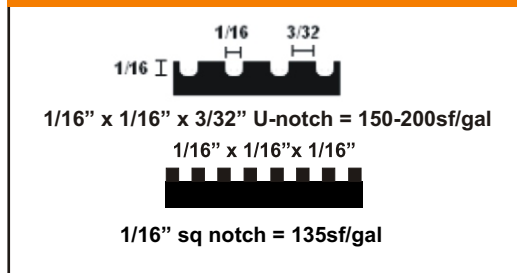
Adhesive **MUST** be allowed to flash completely, 30-40min prior to installation. **Do not allow the adhesive to remain exposed for more than 1hr. Longer open times will reduce bond strength.** Flash time will vary according to substrate and environmental conditions. Protect areas from heavy foot traffic for at least 24hrs. Avoid furniture placement, fixture installation, wheeled traffic and maintenance operations for 72hrs.

Roll flooring with an articulated roller lengthwise, and then again at a right angle to the first line of direction per flooring manufacturer's instructions.

## Clean Up & Storage

Remove wet adhesive from floor covering and tools with soapy water. Use mineral spirits to remove dried adhesive. The container should be kept closed between spreading cycles and after use. The product should be stored in the original container in a cool, dry place.

### Trowel Performance Data



## Packaging

PowerGrip is available in 4.25gal natural high density plastic pails. For the name of a distributor near you, contact Customer Service at 714-429-9804.

## Curing

Cure suitable for light traffic: 10hrs  
Set time: 30min

## Warranty

Formulators warrants PowerGrip free from defects in material and workmanship for a period of ten (10) years when properly installed, and not to delaminate due to moisture levels not to exceed 8.0lbs/1000sf per 24hrs, pH 10.0 and in-situ relative humidity of 85%, (shelf life limited to one year from date of manufacture, stored in an unopened container at 70°F), certified by an independent series of moisture tests in accordance with ASTM F1869, F710 and F2170 respectively and documented prior to installation.

Formulators excludes and will not pay consequential or incidental damages under this warranty. All remedies shall extend to the replacement of finished flooring materials and adhesive in affected areas only and as determined by Formulators. Formulators will not pay damages resulting from poor installation, loss of bond due to the dimensional characteristics of the flooring material, telegraphing of trowel marks through the flooring material, improper trowel selection, discoloration due to moisture, topically applied alkaline preparations, seam failures or voids, tears, rips, misapplied or residual curing compounds, residual mold release, leveling or patching compounds of any kind, improper preparation technique and any other condition beyond the control of Formulators and unrelated to the integrity of the adhesive.

The suitability of this product for an intended use shall be solely the users responsibility. Formulators makes no warranty of merchantability or fitness for a particular application, installation or purpose. No other warranty is expressed or implied.

**For complete warranty information, see Formulators Performance Warranty.**

