



# PHILLIP JEFFRIES LTD. HANGING INSTRUCTIONS

## GEOLOGY

**STOP: DO NOT CUT OR INSTALL UNTIL YOU HAVE READ THESE INSTRUCTIONS!**

Thank you for choosing our fine hand crafted GEOLOGY slate panels.

For the best results, we believe that a **contractor** or **professional wallcovering installer with the correct tools** should hang this material.

### **TOOLS NEEDED FOR INSTALL:**

#### **For Cutting:**

1. Items 4122, 4125 - **Metal Shears** or **High Grade Utility Scissors**
2. Items 4120, 4121, 4123, 4124 - **Skill Saw** or **Circular Saw** with a diamond or carbide blade. **Jigsaw** for cutting around electrical outlets, thermostats, etc.
3. **Hand Drill with Sander Attachment** or **Belt Sander** for the potential smoothing of edges.
4. **Rubber Seam Roller** or **J-Roller**

#### **Adhesive:**

1. “**Loctite Power Grab**” or similar indoor / outdoor adhesive with hand caulking gun.

#### **Protective Gear:**

1. When cutting or sanding GEOLOGY, you will be in contact with dust / fine particles from the flexible fiberglass backing. Use protective goggles, face mask and wear long sleeve shirt and pants to avoid irritation.

### **DESCRIPTION:**

Phillip Jeffries Ltd. introduces a new way to cover walls with **GEOLOGY**. Authentic honed slate is sold in a flexible panel format, creating a one-of-a-kind wall statement. A patented precision process creates a micro thin “vener” of real slate reinforced by a flexible fiberglass resin backing. Available in 2 panel sizes; Panel A: 12” x 24” & Panel B: 24” x 48”.

### **PREPARATION:**

Before you cut and hang, please be sure you have:

1. The correct item and the correct amount of panels to finish the job.
2. Inspect the panels carefully to ensure they are free of defects.  
If no defect is evident before installation, the material should be inspected after six (6) panels are installed. If any defect is evident at this time (or at any point in the installation) no additional material should be hung until Phillip Jeffries Ltd. is notified. **NO CLAIMS WILL BE ALLOWED FOR MORE THAN (6) PANELS ON THE WALL.** All claims must be made within 60 days of the invoice date. No labor claims will be allowed at any time.

### **NATURAL VARIATIONS:**

GEOLOGY is made from authentic natural stone that is excavated from a slate quarry. There are variations in the slate panels that are inherent characteristics of the stone’s natural beauty and should not be treated as a defect.

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#### **INDOOR USES:**

GEOLOGY is recommended for interior use on walls, ceilings, columns and horizontal surfaces other than countertops and flooring. It is not recommended for use in areas where it will be in constant direct contact with water, such as a bathroom shower or tub surround as it will not provide protection for the wall. It is suitable for use as a kitchen backsplash, behind the sink or over a counter as long as it will be sealed after installation.

Because of its flexibility, GEOLOGY can be used on concave and convex radius surfaces. The shorter widths on each panel size are flexible, but not as flexible to the degree of the longer lengths. We recommend that you test the desired flex prior to installation.

#### **OUTDOOR USES:**

GEOLOGY can be installed for outdoor surfaces, as the panels are made from authentic slate and can be exposed to the elements. We recommend using an adhesive / epoxy that is construction grade and suitable for outdoor use. If using the Geology panels outdoors, we recommend sealing the slate with a high quality sealant after installation to protect it from staining. Application of a sealant is up to the designer or end user.

#### **INDOOR INSTALLATION - BUILDING & MATERIAL CONDITIONS:**

The building must be weather-tight with HVAC settings (including pressure, temperature and relative humidity) the same as those of an occupied building for three days prior to, throughout installation and three days after installation. The walls must be structurally sound including elimination of sources of moisture accumulation into the wall or wall cavity. The material must be in a clean and dry condition and must be stored at normal occupied building temperature and humidity for at least three days prior to installation. All adhesives and primers must be new, good quality, commercial grade materials, which have not been contaminated.

#### **WALL PREPARATION:**

1. The walls to be covered must be properly prepared to ensure that the panels will adhere to the wall surface. Even the strongest adhesive can only work when the wall surface is clean and properly prepared.
2. Please be sure to cover old latex paint and new sheetrock or very absorbent walls with a good quality primer that is SPECIFICALLY MADE FOR WALLCOVERING. The exact primer must be determined by the installer. However when covering flaky or water based paint, a heavy duty wallcovering primer may provide the best results.
3. Allow the primer to dry thoroughly before hanging.
4. **LINER PAPER:** Although it is optional, we recommend lining the walls before installing the panels with Item #4130, **GEOLOGY LINER PAPER** - a special black vinyl lining paper with a fabric backing. This liner will protect the walls and hide gaps where the panels join on the walls and at corners. Before hanging the GEOLOGY panels, install the liner paper using a **strippable adhesive** and allow it to dry thoroughly.

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### INSTALLATION

#### PANEL LAYOUT:

1. Before cutting or adhesion, measure and map out panel design.
2. Like tile, GEOLOGY panels can be installed horizontally, vertically, or in a mosaic effect. CONSULT WITH YOUR DESIGNER on the layout of panels.
3. Color will vary from panel to panel, due to the inherent characteristics of the natural slate and should not be considered a defect. We recommend laying out the slate before installation to see which variations work best.
4. In addition, we recommend measuring out the panel design layout on the wall. In our test hang, our installer measured layout on the wall, marking it with pencil and removable painter's tape to create a map of the panels.

#### CUTTING / TRIMMING:

GEOLOGY can be cut using a variety of tools:

##### Geology - Items 4122 & 4125:

- Metal Shears or High Grade Utility Scissors

##### Geology - Items 4120, 4121, 4123 & 4124:

- Skill Saw or Circular Saw with a diamond or carbide blade.
- Jigsaw for cutting around electrical outlets, thermostats, etc.

For the best precision trim line, lay the GEOLOGY panels face-side down and cut through the back.

#### ADHESIVE:

1. We recommend using the adhesive "Loctite Power Grab" or a similar indoor / outdoor, construction adhesive for best results. Please note that "Loctite Power Grab" is available domestically at local hardware stores.
2. We recommend testing an area of the wall to be certain that you are getting proper adhesion before hanging all panels.
3. Apply adhesive to the back of each panel using a hand caulking gun. Back of each GEOLOGY panel will be labeled. Squeeze adhesive sparingly 1/4" from edge around the entire panel. Then fill in center of panel with adhesive, applying in "X-like" or "S-like" motion so that the panel has even coverage.
4. Place panel on wall, holding panel firmly. Smooth out with hands, so that adhesive is evenly distributed. If needed, adjust the position of panel before adhesive sets.
5. After smoothing out the panel, roll edges with a Rubber Seam Roller or J-Roller to ensure adhesion to the wall.
6. Place one panel at a time on the wall, butting up edges for a close, tight fit. In our test hang, installer used a level to ensure even and level panel placement.

#### PJ LTD. INSTRUCTIONAL VIDEO:

Visit [www.phillipjeffries.com](http://www.phillipjeffries.com) to view an instructional video of a professional installer installing GEOLOGY.



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#### INSTALLATION

##### TIPS:

1. Due to the variety of layout options and color variations from panel to panel, we highly recommend laying out the design before installation to see which variations work best.
2. For inside and outside 90 degree corners, we recommend butting up the edges of GEOLOGY to create a clean, even edge. Utilize PJ black lining paper or tint wall primer to hide seams on outside corners.
3. For electrical outlets, thermostats, etc. we recommend using a Jigsaw. Create a paper template of the GEOLOGY panel that will be placed over that area. Measure exactly where outlet hits on your template & then cut out that area. Place template on GEOLOGY panel and cut out section of slate panel accordingly with a Jigsaw.
4. To smooth edges of GEOLOGY, we recommend using a Hand Drill with Sander Attachment or Belt Sander.
5. If curling of GEOLOGY occurs, consider using a heat gun on light setting and pressing down on panel to subside the curling.
6. Wipe with a damp cloth or sponge to remove slate "dust" and any slight scratching that might occur.
7. Stone patterns, color and overall thickness will vary from panel to panel. These variations are the inherent beauty of the natural slate and should not be treated as a defect.
8. When cutting or sanding GEOLOGY, you will be in contact with dust / fine particles from the flexible fiberglass backing. Use protective goggles, face mask and wear long sleeve shirt and pants to avoid irritation.

##### SEALANT:

1. Depending on usage of GEOLOGY, you may want to consider sealing the slate with a high quality sealant after installation to protect it from staining. Areas that would benefit from sealant are high traffic areas, kitchen backsplash, bathrooms and outdoor uses.
2. Application of a sealant is up to the designer or end user. Many sealers are readily available that maintain or change the finish of the slate in a matte, semi-gloss or gloss finish. We recommend testing the sealant that is chosen on a sample or extra panel before applying to the entire installation.
3. In our installer's test, we utilized 511 Impregnator from Miracle Sealants, available at any local hardware store.

##### GROUT:

1. To achieve a tiling effect, a grout joint can be left between panels and filled with a water-based epoxy grout. The easiest grouts that work for GEOLOGY are those that come premixed in a tube, available domestically at local hardware stores.

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