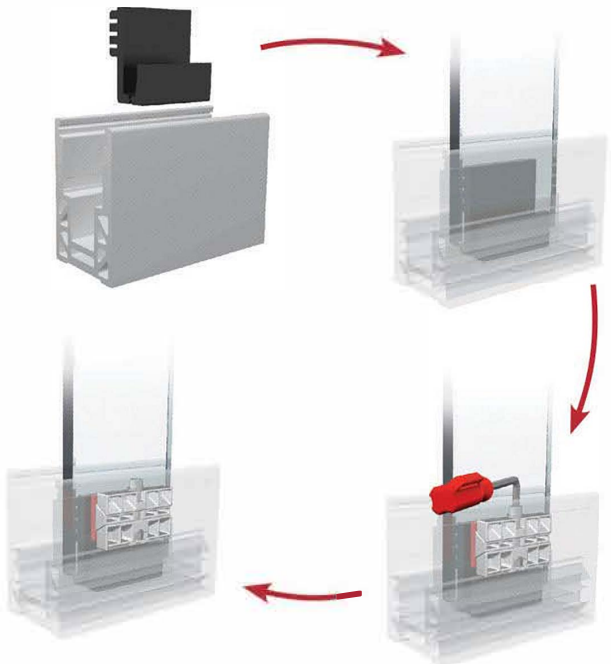
PANELGRIP®2 DRY GLAZE SYSTEM

The **PanelGrip®2** System utilizes a unique locking mechanism of high-strength aluminum and PVC isolators combined with a specially designed aluminum shoe moulding. When assembled with 1/2" to 13/16" tempered or laminated glass, PanelGrip®2 enables the installer to fabricate a structural ***glass railing system*** with significant reductions in labor and freight costs.

PANELGRIP®2 INSTALLATION:

1. **PLUMBING PANELGRIP®2 SHOE MOLDING**
   Before completing attachment of ***PanelGrip®2 Base Shoe Molding*** to substrate – take all necessary steps to assure that the mounted shoe is adjusted such that the inside channel of the shoe is plumb to +/- 1/8" at an extended height of 42". Spend the time required to plumb the shoe to this tolerance since ***the glass will only be as plumb as the shoe***.
2. **CLEAR THE PANELGRIP®2 BASE SHOE OF ALL DEBRIS**
3. **PLACE ISOLATORS**
   Place the ***PanelGrip®2 Plastic Isolators*** into the ***Base Shoe Molding***. On inclines, a dab of silicone may be used to keep them in place while placing glass. Space ***Plastic Isolators*** a maximum of 14" on center with a maximum of 4" in from the left and right edges of each panel – 4 isolators per 4 foot panel.
4. **PLACE GLASS**
   Place the glass atop the ***Plastic Isolators*** in the ***Base Shoe Molding***.

   *Warning: With multi-panel railings, do not line up the edge of a panel with the end of the **Base Shoe Molding** – place the panels so that they span **PanelGrip®2 Base Shoe Molding** butt joints to assist in alignment.*



5. **INSERT PANELGRIP**
   Have someone hold the panel in place while you insert the aluminum ***PanelGrip®*** mechanism into place on the opposite side of the glass in alignment with the ***Plastic Isolators***. Make sure that the plastic pad on the ***PanelGrip®*** is facing the glass.
6. **TIGHTEN PANELGRIP**
   Using a 3/16" hex head wrench, tighten the cap screw on the ***PanelGrip®*** mechanism. While tightening, the plastic pad will break away from the Aluminum as the unit expands.
7. **CONFIRM ALIGNMENT AND TIGHTEN**
   Confirm alignment and make adjustments prior to final tightening which will compress and lock the panel into place.

   *Remember, **PanelGrip®** is self-centering and self-plumbing. Make sure you have properly plumbed the shoe as noted in Step 1.*

   Once you have confirmed position, use a 3/16" hex head wrench to make the ***PanelGrip® Cap Screw*** snug-tight, then continue tightening to **10 ft/lbs of torque**. Repeat on all other ***PanelGrip®*** mechanisms to secure the panel in position. **DO NOT OVERTIGHTEN**.
8. **INSERT SPACING PADS**
   Repeat with other lites of glass. Insert 1/4" ***Spacing Pads*** between glass panels to prevent glass-to-glass contact. Trim as required.
9. **SEAL TOP OF SHOE**
   Once glass is properly positioned, seal gap at the top of the ***PanelGrip®2 Base Shoe Molding*** using one of the two Gasket styles noted below. Spray glass cleaner onto glass to facilitate insertion of gaskets.

   - **V50-0009** is used without cladding
   - **V50-0005** is taped to the underside of the top lip of the cladding

   Weep holes should be provided with exterior applications.
10. **REMOVAL OF GLASS**
    Should you need to remove a panel, this can be done simply by loosening the ***PanelGrip® Cap Screw***.