

# PanelGRIP<sup>®</sup> 2

glass railing system

## The New Standard in Glass Railing

### PanelGrip Installation:

#### 1. Plumbing PanelGrip Base Shoe Moulding

Before completing attachment of **PanelGrip Base Shoe Moulding** 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  $\pm 1/8"$  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 Base of All Debris.

#### 3. Place Isolators

Place the **PanelGrip Plastic Isolators** into the **Base Shoe Moulding**. 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 Moulding**.

*Warning: With multi-panel Railings, do not line up the edge of a panel with the end of the **Base Shoe Moulding** - place the panels so that they span **PanelGrip Base Shoe Moulding** 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 or the **PanelGrip Torque Wrench**, tighten the **Cap Screw** on the **PanelGrip** mechanism. While tightening, the plastic pad will break away from the Aluminum as the unit expands.

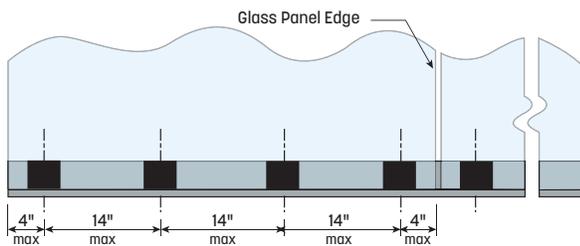


#### 7. Confirm Alignment and Tighten

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.*

#### PanelGrip and Glasswedge™ Spacing Guidelines



**System for 200 lb. point load with a factor of 4 for safety**  
 14" center-to-center maximum with  
 4" maximum from center to glass edge.

Once you have confirmed position, use a  $3/16"$  hex head wrench or our **PGTWRENCH** to make the **PanelGrip Cap Screw** snug-tight, then continue tightening to 10 ft-lbf (120 in-lbf) of torque. Repeat on all other **PanelGrip** mechanisms to secure the panel in position. **DO NOT OVERTIGHTEN.**

#### PanelGrip Torque Wrench

$3/8"$  Torque Wrench,  $3/8"$  Drive, 20-200 in-lbf. For setting PanelGrip mechanism into **PanelGrip Base Shoe Moulding**.

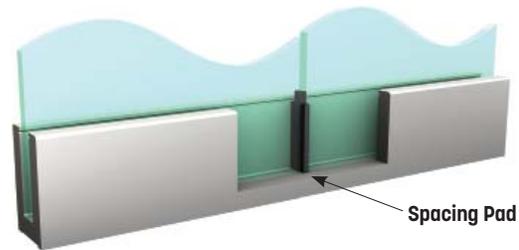


PGTWRENCH

PGTWRENCH

#### 8. Insert Spacing Pads

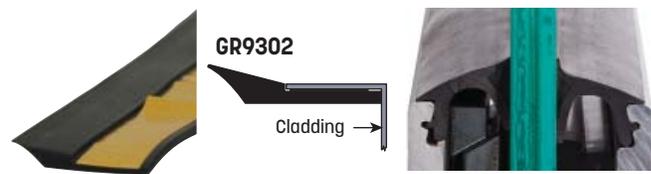
Repeat with other lites of glass. Insert  $1/4"$  **Spacing Pads** between glass panels to prevent glass-to-glass contact. Trim as required.



Spacing Pad

#### 9. Seal top of shoe

Once glass is properly positioned, seal gap at the top of the **PanelGrip Base Shoe Moulding** using one of the two **Gasket** styles shown below. Spray glass cleaner onto glass to facilitate insertion of gaskets.



GR9302

Cladding

GR9355

- **GR9302** is taped to the underside of the top lip of the **Cladding**.

- **GR9355** is used without **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**.

COLLABORATIVE METAL WORKS



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