

WAGNER
RAIL
SYSTEM

PANELGRIP™

The **Wagner PanelGrip™ 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" or 3/4" tempered glass, **PanelGrip™** enables the installer to fabricate a structural **Glass Railing System** with significant reductions in labor and freight costs.

- **Reduce Labor Costs Up To 80%**
No sealing of shoe, no setting blocks, no plumbing of glass, no multiple pours of cement, no waiting for cement to cure; no messy clean-up.
- **Reduce Freight Costs Up To 30%**
PanelGrip™ shoe is almost 30% lighter than standard shoe yet meets structural load requirements for railings.
- **Broadest Grip Range Of Any Dry Glaze Option**
Made for nominal 1/2" tempered glass but will work for any panel between .450" and .515" (11.50mm and 13mm).
- **No Special Tools Required**
All you need is an Allen wrench for installation or removal.
- **No Mess**
No mixing and pouring of expansion cement.
No running of cement on incline.

GLASS
RAILING

CABLE
RAILING

SPiral STAIRS
BALCONIES

PANELGRIP™ INSTALLATION:

1. PLUMBING PANELGRIP™ SHOE MOULDING

Before completing attachment of **PanelGrip™ Shoe Moulding** to substrate – in multi-panel railings – take all necessary steps to assure that the mounted shoe is adjusted such that the inside channel of the shoe it 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**.

One method for plumbing the shoe is the **Plumbing Bar Kit**.

PLUMBING BAR KIT FOR PANELGRIP

Plumbing Bar Kit for PanelGrip
Includes: Plumbing Bar and one **PGPK1** PanelGrip

- Place an **Isolator** into the **PanelGrip™ Shoe Moulding**.
- Insert the **Plumbing Bar** on top of the Isolator and lock into place with a PanelGrip.
- Shim **Shoe Moulding** as needed until a level indicates vertical plumb.
- Remove **Plumbing Bar** and repeat as needed to confirm plumb throughout your installation.



ALUMINUM
RAILINGS

BRASS / SS
FITTINGS

SHIM STRIPS

24" long x 3/4" wide.

- 10/package
- Thicknesses as noted below.
- These strips are used under one side of the shoe moulding to adjust plumb before securing with fasteners.
- Trim or stack as necessary.

Thickness	Aluminum
1/64"	GR2SS02
1/32"	GR2SS03
1/16"	GR2SS06

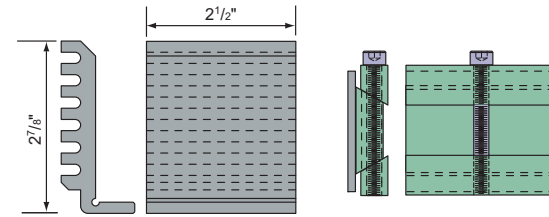


PANELGRIP™

Plastic Isolator with Aluminum PanelGrip™ Assembly

Package of 4 **PG2450**
Single Unit **PG2450S**

The PanelGrip™ System was tested per *ASTM E935, Standard Test Methods for Performance of Permanent Railing Systems and Rails for Buildings*. This test report may be downloaded at www.panelgrip.com.



HORSESHOE SHIMS

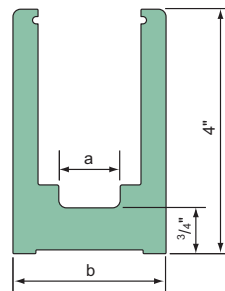
2" wide x 3" long. 10/package
Thicknesses as noted below. Will not compress or project beyond the shoe. May be stacked as necessary.

Thickness	Aluminum
1/16"	GR2HS06
1/8"	GR2HS12
1/4"	GR2HS25

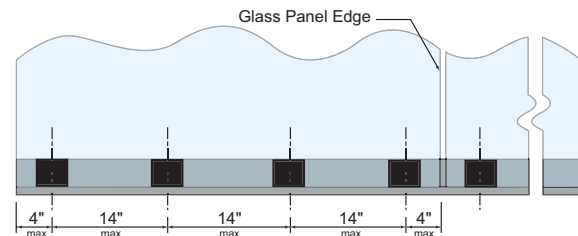


2. CLEAR THE PANELGRIP™ BASE OF ALL DEBRIS.

Refer to page 34 for PanelGrip™ Shoe Moulding.



PANELGRIP™ SPACING GUIDELINES



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