

# bp Glass Garage Doors & Entry Systems, Inc.

## bp - Water Resistant Package



The Water Resistant Package has been tested in accordance with the following test methods:

- ❖ ASTM E331- Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2009.
- ❖ ASTM E547- Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference; 2009.

Note: The Water Resistant Package **must be combined** with the Air Resistant Package **DURING THE MANUFACTURING PROCESS** to function as tested! The Water Resistant Package **CAN NOT BE INSTALLED AFTERWARDS**, per the ASTM E331 or ASTM E547 testing standard.

Test Method E331 and E547			Title of Test Water Resistance			Results No Leakage	
Classification			DP	Pa	PSF	mph	" H <sub>2</sub> O
Res.	Lite Com.	Com.	30	220	4.59	42	0.88"



**Insulated Line (US & Intl. Pat. System)**

**bp** - Glass Garage Doors "Fully Insulated Frame Technology" (US & Intl. Patented) is the key factor for eliminating air leakage, when using this type of door to seal the building envelope, or enclose any "climate controlled space". What is the point in having insulated glass panels, if the frame leaks Air or Water? Our Insulated Frame System also enhances acoustical performance: STC = 36±

**bp - Insulated Line** glazing options consists of: **bp** insulated frames with 1/2" Air filled IG units. Each glass panel is sealed during fabrication and are available in: transparent, obscured, with or without low-E glass, and in a variety of colors to suit your design. Every glass type has a unique set of energy ratings: U-Values of ±.55-.90, SHGC of ±.15-.45, and VT 0.02-.46; which is determined by the glass specified on the project.

(Keep in mind that IG units (Insulated Glass) are ineffective if the frame leaks air!)

The NFRC Certified Air Resistance Package provides an airtight system for any wall opening (24ft wide max); where building code compliance is required. **bp** doors have been tested and certified as a whole, with "Insulated Frames". Testing reports and CPD #'s (Certified Products Database) for various glass types can be found at: [www.NFRC.org](http://www.NFRC.org)



<b><u>Air Leakage Resistance Package*</u></b>	
<b>Air Leakage Resistance Results (Per NFRC 400 / ASTM E283 / DASMA 105)</b>	
<b>Residential Standard</b>	0.3 CFM
<b>Commercial Standard</b>	0.4 CFM
<b>bp - Glass Garage Doors results</b>	<b>0.06 CFM</b>
<b>*Note:</b> The lower the CFM = Better Air Leakage Resistance. Thermal ratings for U- factor, SHGC, and VT available upon request, per NFRC 100 / 200.	

- Air Infiltration package is available in combination with any type of glazing.

