

# STRUCTURAL TEST DATA

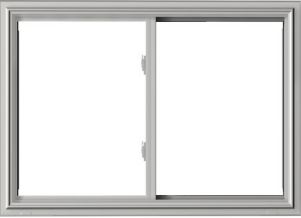
FOR EGRESS SIZES ON THE FOLLOWING WINDOWS:

- These Sizes Also Meet Minimum 20" Clear Egress Width And 24" Clear Egress Height



## DOUBLE HUNG STRUCTURAL TEST RESULTS

| MODEL  | SIZE    | GLASS TYPE     | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED | MANUFACTURED SIZE REQUIRED TO MEET 5.7 SF EGRESS WITH STANDARD HARDWARE |
|--|---------|----------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|---|
| 6000 - 7000  | 40 X 63 | 7/8 DUAL SSB   | GRADE 10                | 0.19                     | H-R25               | 25 PSF          | 3.75 PSF                        | 52.50 PSF                            | 38 3/4 X 61 3/4   |
| 6100 - 7100  | 40 X 63 | 7/8 DUAL SSB   | GRADE 10                | 0.19                     | H-R35               | 35 PSF          | 7.50 PSF                        | 52.50 PSF                            | 38 3/4 X 61 3/4   |
| 6100 - 7100  | 40 X 63 | 7/8 TRIPLE SSB | GRADE 10                | 0.19                     | H-R35               | 35 PSF          | 7.50 PSF                        | 52.50 PSF                            | 38 3/4 X 61 3/4   |
| 6200 - 7200  | 40 X 63 | 7/8 DUAL DSB   | GRADE 10                | 0.19                     | H-R40               | 40 PSF          | 7.50 PSF                        | 60.00 PSF                            | 38 3/4 X 61 3/4   |
| 6300 - 7300  | 44 X 63 | 7/8 DUAL DSB   | GRADE 10                | 0.08                     | H-R50               | 50 PSF          | 7.50 PSF                        | 75.00 PSF                            | 38 3/4 X 61 3/4   |
| * DOUBLE HUNG WINDOW WITH EGRESS HARDWARE "NO BALANCE COVER"   |         |                |                         |                          |                     |                 |                                 |                                      | 37 7/8 X 59 1/2   |
| * DOUBLE HUNG WINDOW WITH EGRESS HARDWARE "WITH BALANCE COVER" |         |                |                         |                          |                     |                 |                                 |                                      | 38 3/4 X 59 3/4   |



## DOUBLE SLIDER STRUCTURAL TEST RESULTS

| MODEL       | SIZE    | GLASS TYPE   | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED | MANUFACTURED SIZE REQUIRED TO MEET 5.7 SF EGRESS * |
|-------------|---------|--------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|--|
| 6500 - 7500 | 63 X 44 | 7/8 DUAL SSB | GRADE 10                | 0.05                     | HS-R25              | 25 PSF          | 3.75 PSF                        | 37.50 PSF                            | 51 X 45 1/2  |
| 6600 - 7600 | 63 X 44 | 7/8 DUAL DSB | GRADE 10                | 0.05                     | HS-R25              | 25 PSF          | 3.75 PSF                        | 37.50 PSF                            | 51 X 45 1/2  |



## CASEMENT STRUCTURAL TEST RESULTS

| MODEL       | SIZE    | GLASS TYPE   | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED | MANUFACTURED SIZE REQUIRED TO MEET 5.7 SF EGRESS                          |
|-------------|---------|--------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|---|
| 9000 - 8000 | 32 X 60 | 7/8 DUAL SSB | GRADE 10                | 0.01                     | C-LC45              | 45 PSF          | 9.00 PSF                        | 67.50 PSF                            | 30 1/4 X 46<br>With Washability Hinge<br>27 1/4 X 46<br>With Egress Hinge |
| 9100 - 8100 | 32 X 60 | 7/8 DUAL DSB | GRADE 10                | 0.01                     | C-LC45              | 45 PSF          | 9.00 PSF                        | 67.50 PSF                            | 30 1/4 X 46<br>With Washability Hinge<br>27 1/4 X 46<br>With Egress Hinge |



**AWNING  
STRUCTURAL  
TEST RESULTS**

**STRUCTURAL TEST DATA**

| MODEL       | SIZE    | GLASS TYPE   | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED |
|-------------|---------|--------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|
| 9000 - 8000 | 59 X 24 | 7/8 DUAL SSB | GRADE 10                | 0.06                     | AP-R45              | 45 PSF          | 9.00 PSF                        | 67.50 PSF                            |
| 9100 - 8100 | 59 X 24 | 7/8 DUAL DSB | GRADE 10                | 0.06                     | AP-R50              | 50 PSF          | 9.00 PSF                        | 75.00 PSF                            |



**FIXED LIGHT  
STRUCTURAL  
TEST RESULTS**

| MODEL       | SIZE    | GLASS TYPE   | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED |
|-------------|---------|--------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|
| 9500 - 8500 | 45 X 45 | 7/8 DUAL SSB | GRADE 10                | 0.05                     | FW-LC50             | 50 PSF          | 12.00 PSF                       | 75.00 PSF                            |
| 9600 - 8600 | 56 X 56 | 7/8 DUAL DSB | GRADE 10                | 0.05                     | FW-LC80             | 80 PSF          | 12.00 PSF                       | 120.00 PSF                           |



**SINGLE HUNG  
STRUCTURAL  
TEST RESULTS**

| MODEL       | SIZE    | GLASS TYPE   | FORCED ENTRY RESISTANCE | AIR INFILTRATION SCFM/FT | PRODUCT DESIGNATION | DESIGN PRESSURE | MAXIMUM WATER PRESSURE ACHIEVED | MAXIMUM STRUCTURAL PRESSURE ACHIEVED | MANUFACTURED SIZE REQUIRED TO MEET 5.7 SF EGRESS                     |
|-------------|---------|--------------|-------------------------|--------------------------|---------------------|-----------------|---------------------------------|--------------------------------------|--|
| 4300        | 44 X 66 | 7/8 DUAL SSB | GRADE 10                | 0.20                     | H-R35               | 35 PSF          | 5.25 PSF                        | 60.00 PSF                            | 38 3/4 X 62 1/2  |
| 5500 -4500  | 44 X 66 | 7/8 DUAL SSB | GRADE 10                | 0.20                     | H-R35               | 35 PSF          | 5.25 PSF                        | 60.00 PSF                            | 38 3/4 X 62 1/2  |
| 5600 - 4600 | 44 X 77 | 7/8 DUAL SSB | GRADE 10                | 0.04                     | H-LC35              | 35 PSF          | 5.25 PSF                        | 52.50 PSF                            | 38 3/4 X 62 1/2  |
| 5800 - 4800 | 44 X 77 | 7/8 DUAL DSB | GRADE 10                | 0.06                     | H-LC40              | 40 PSF          | 6.0 PSF                         | 60.00 PSF                            | 38 3/4 X 62 1/2 (REG. HARDWARE)<br>36 1/2 X 59 1/2 (EGRESS HARDWARE) |

**GLOSSARY OF TERMS**

**AIR INFILTRATION** – the amount of air that passes between a window sash and frame. In window it is measured in terms of cubic feet or air per minute, per square foot of area. The lower the number, the less air the window lets pass through.

**DESIGN PRESSURE** – the higher the better.

**EGRESS CODE** – the code that requires a minimum opening of a window for persons to exit or firefighters to enter a building.

**MULLING OF WINDOWS** – with the various configurations of mulling it is not possible to rate them. The Performance data is based on individual units and not any form of mullied units.