

## Building Enclosure Air Tightness Testing Reference

Standard	CFM@50	ACH@50	EqLA@10Pa	EqLA@10Pa
<b>Passive House</b>	500	0.6*	52	0.05
<b>R-2000</b>	1250	1.5*	130	0.125
<b>ENERGY STAR V3</b>				
CZ 8	2500	3.0*	260	0.25
CZ 5-7	3333	4.0*	350	0.30
CZ 3,4	4176	5.0*	430	0.42
CZ 1,2	5000	6.0*	520	0.50
<b>ENERGY STAR (Canada 2012)</b>	1250	2.5*	130	0.125
<b>Army Corp of Engineers</b>	2498	3.0	260	0.25*
<b>2009 IECC Target**</b>	5833	7.0*	600	0.59
<b>2012 IECC Target</b>				
CZ 1-2	4176	5.0*	430	0.42
CZ 3-8	2500	3.0*	260	0.25

### NOTES:

- \* indicates the actual performance requirement for the listed program
- This table is for reference purposes only and represents data from a one-story, rectangular 5,000 sq. ft. building with a 10' ceiling, thus a volume of 50,000cu.ft. and a surface area of 13,000 sq. ft.
- \*\* The 2009 IECC does not require testing, 2012 IECC mandates air tightness testing of buildings.

### Other Air Barrier Test Metrics:

- Building Materials are tested for air permeance under ASTM E2178. Results are presented as CFM/ft<sup>2</sup> @75 Pa. Commercial air barriers must be no more than 0.004 CFM/ft<sup>2</sup>@75Pa
- Building Assemblies are tested in wall mock-up sections under ASTM E 2357 or E 1677 and again results are presented as