



Eco-Smart, Inc

ECO-PANELS Tightest House Measured

Matt,

We've told you before that we have the best panel system on the market - ensuring not just the most energy efficient building envelope, but the most easily assembled. Two years ago the DOE building scientists at Oak Ridge Nat'l Labs told us that we had the best system on the market. This past weekend we were reminded again. Western North Carolina has the highest percentage of LEED builders in the country, and Amy Musser is a building scientist who works with most of them - in fact she works in four or five states in the southeast (and now working with us on a job in the Caribbean). See below. And FYI, this is the second "best ever" rating that she has seen with our product - I believe the 0.07 is ours as well.

Best Regards,
Charles Leahy
Eco-Panels

Hi Brian and Craig - both of you have been very patient waiting for me to crunch the numbers on 20 Crestmont, and here they are.

Your enclosed volume is 14,316 ft³. Your area of building envelope is 3528 sf.

The blower result was 220 cfm measured at 50 Pa.

So, air changes at 50 Pa is: $220 \text{ cfm} \times 60 \text{ min/hr} / 14,316 \text{ ft}^3 = 0.92 \text{ ACH}_{50}$

The method that I prefer for measuring airtightness is CFM50/sf building envelope. For you this is $220 \text{ cfm} / 3528 \text{ sf} = 0.06$. I think our previous record was 0.07.

So, I would say you can officially lay claim to the tightest house we have measured.

Congratulations!

Amy

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