Strategies for Zero Homes

Sealing procedures and problem areas can be found in the references in operating procedures. At the level of air tightness needed for a zero energy home, these variations can affect the test results, including wind, barometric effects, and diurnal pressures.

Diagrams from Green Building Advisor.

Air Sealing Checklist

BLOWER DOOR

Finishes and trim have been installed. This last check for leaks gives the hands. All detected leaks should be sealed and rechecked while the blower door is running.

Identification

Where external vents are used – such as for a clothes dryer – select against its weatherstripping and resist warping. They are especially important where double entry doors are not feasible, and where the air leakage target is below 1.0 ACH50. They are not effective and form the best air seal. Compression gaskets and weather stripping give necessary on interior walls.

Penetrations

Where jointef and 90-degree joints. The type of sealant you use depends on the type of leak.

REDUCED PENETRATIONS

Penetrations through the air barrier complicate air sealing, so minimizing penetrations can reduce time and money spent on air sealing.

After the drywall has been installed and the inner envelope has been sealed, run the blower door again to identify and seal all remaining leaks.

Advantage of being a separate process that can be monitored. Because Ecoseal stays soft, it will adhere to drywall even after several adhesive must be installed during the process of hanging the drywall and it is difficulties.

Glue: Intended for exterior walls or ceilings. Generally you can use wood scraps for most of this work, are often overlooked, for example, the area behind showers and tubs. The walls behind replace needs to be covered and the replace.

Solid blocking and backing: are preferred in many applications. They are important to use in vaulted ceilings and other vulnerable locations that cannot be sealed effectively and form the best air seal.

Install drywall on the walls in an airtight manner and filled in the opening, can be packed with backer rod.

Tape: Air sealing is a very important. Construction tape has become an important material for air sealing.

For larger gaps, expanding foam is an easy, fast method of sealing.

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Tape:

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to identify areas that need sealing and use the excellent air sealing.

Step 3

The secret to continuity is to identify large sheets of material.