


General

An Energy Efficiency Certificate listing installed insulation, glass and door ratings, and heating and cooling equipment efficiency and test results must be posted on or in the electrical panel in the dwelling. The certificate is useful consumer information comparable to the option package and estimated miles-per-gallon sticker on new car windows. It creates a permanent record of building elements that are difficult to determine after the construction is finished.

The certificate must include building envelope, duct insulation, and window and door U-factor and solar heat gain coefficient (SHGC) values. The window and door information is valuable when replacement projects are contemplated. HVAC system and water heater efficiencies are required to be listed. This information is a guide to maintaining or increasing energy savings when any of the equipment is replaced. The blower door and duct leakage test results are also recorded. The whole house number establishes the baseline with which to compare future test results to evaluate air barrier performance over time (Figure 14-1).

The builder or registered design professional is responsible for completing the information required on the certificate.

[Ref. R401.3]

 2012 IECC Energy Efficiency Certificate		
Insulation rating		R-Value
Ceiling/Roof		59.00
Wall		30.00
Floor/Foundation		15.00
Ductwork (unconditioned spaces):		_____
Glass & door rating	U-Factor	SHGC
Window	0.28	0.40
Door	0.35	NA
Heating & cooling equipment		Efficiency
Heating system: _____		_____
Cooling system: _____		_____
Water heater: _____		_____
Building air leakage and duct test results		
Building air leakage test results		_____
Name of air leakage tester		_____
Duct tightness test results		_____
Name of duct tester		_____
Name: _____		Date: _____
Comments:		

© International Code Council

FIGURE 14-1 Energy Efficiency Certificate template