



CITY OF HELENA BUILDING DIVISION * 316 N. PARK * HELENA, MT * 406-447-8438

CITY OF HELENA BUILDING DIVISION



"BITS"

Miscellaneous "BITS" of information that may be of interest to the
City of Helena Contractors and Design Professionals
November 2011

SECTION 303.1.1 – BUILDING THERMAL ENVELOPE INSULATION CERTIFICATE In accordance with 2009 International Energy Conservation Code



*SECTION 303.1.1- R-value identification mark shall be applied by the manufacturer to each piece of building thermal envelope insulation 12 inches (305 mm) or greater in width. Alternately, the insulation installers shall provide a certification listing the type, manufacturer and R-value of insulation installed in each element of the building thermal envelope. For blown or sprayed insulation (fiberglass and cellulose), the initial installed thickness, settled thickness, settled R -value, installed density, coverage area and number of bags installed shall be listed on the certification. For sprayed polyurethane foam (SPF) insulation, the installed thickness of the areas covered and R- value of installed thickness shall be listed on the certification. **The insulation installer shall sign, date and post this certification in a conspicuous location on the job site.***

The thermal performance of insulation is rated in terms of R-value. For products lacking the R-value identification**, the installer (or builder) must provide the insulation performance data. Examples would be some insulation materials such as un-faced batts, blown or sprayed insulation and foamed-in-place types. The R-value of loose-fill insulation is dependent on both the installed thickness and the installed density (number of bags used).

The 2009 IECC was adopted by the City of Helena August 26, 2010 and has required a "Building Thermal Envelope Insulation Certificate" since that time. In an effort to provide a convenient location and form for the required 'certificate', the City Building Division has revised the reverse side of the currently used *Inspection Record Card* to include a blank certificate. An example of form is provided on the reverse side of this notice.

This form shall be filled out and signed by the insulation installer prior to the final inspection of the project. Where there may be multiple insulation installers, each shall sign at the bottom of the form. Without the signatures, occupancy of the building may be delayed.

** The Federal Trade Commission Rule 460 has required this labeling of insulation since 2005. (<http://www.ftc.gov/os/2005/05/050531homeinsulationfrn.pdf>)

THIS FORM WILL APPEAR ON THE REVERSE SIDE OF YOUR
INSPECTION RECORD CARD. FORM SHALL BE FILLED OUT AND
SIGNED BY INSULATION INSTALLER PRIOR TO FINAL INSPECTION.

BUILDING INSULATION CERTIFICATE Insulation Description (Please Print)	
FOUNDATION WALL – Basement / Crawlspace Batt or Blanket Type _____ Spray Foam Type _____ Manufacturer _____ Thickness (in.) _____ R-Value _____	EXTERIOR WALLS – CAVITY INSULATION (Including Garage Separation Wall) Batt or Blanket Type _____ Loose Fill Type _____ Spray Foam Type _____ Manufacturer _____ Thickness (in.) _____ R-Value _____ Contractor's minimum installed weight/ft ² _____ lb Mfg's installed weight/ft ² to achieve R-Value _____
UNDER FLOOR SLAB / PERIMETER Material _____ Manufacturer _____ Thickness (in.) _____ R-Value _____	EXTERIOR WALL – CONTINUOUS INSULATION Material _____ Manufacturer _____ Thickness (in.) _____ R-Value _____
RAISED FLOOR Batt or Blanket Type _____ Spray Foam Type _____ Manufacturer _____ Thickness (in.) _____ R-Value _____	INTERIOR KNEE WALLS (Between conditioned and non-conditioned space) Batt or Blanket Type _____ Loose Fill Type _____ Spray Foam Type _____ Manufacturer _____ Thickness (in.) _____ R-Value _____ Attic-Side Air Barrier Type _____ Contractor's minimum installed weight/ft ² _____ lb Mfg's installed wt/s.f. to achieve R-Value _____
INTERIOR KNEE WALLS (Between conditioned and non-conditioned space) Batt or Blanket Type _____ Loose Fill Type _____ Spray Foam Type _____ Manufacturer _____ Thickness (in.) _____ R-Value _____ Attic-Side Air Barrier Type _____ Contractor's minimum installed weight/ft ² _____ lb Mfg's installed wt/s.f. to achieve R-Value _____	ROOF and/or CEILING Area (s.f.): _____ Batt or Blanket Type _____ Loose Fill Type _____ Spray Foam Type _____ Manufacturer _____ Installed Thickness (in.) _____ # of Bags _____ Settled Thickness (in.) _____ R-Value _____ Contractor's minimum installed weight/ft ² _____ lb Mfg's installed weight/ft ² to achieve R-Value _____

I hereby certify that the above insulation was installed in the building at the above location in conformance with the current adopted energy code of Montana.

GENERAL CONTRACTOR SIGNATURE: _____ DATE: _____

INSULATION CONTRACTOR SIGNATURE: _____ DATE: _____