

Inspection Requirements

Insulation Mark Installation

Insulation materials shall be installed such that the manufacturer's R-value mark is readily observable upon inspection.



Blown or Sprayed roof/ceiling insulation

The thickness or blown in or sprayed roof/ceiling insulation (fiberglass or cellulose) shall be written in inches on markers that are installed at least one for every 300 square feet throughout the attic space. The markers shall be affixed to the trusses or joists and marked with the minimum initial installed thickness level with numbers a minimum of 1-inch high. Each marker shall face the attic access opening. Spray polyurethane foam thickness and installed R-value shall be listed on the certificated provided by the insulation installer.



INSPECTION REQUESTS

It shall be the duty of the holder of the building permit or their duly authorized agent to notify the Building & Safety Division when work is ready for inspections.

- Inspections should be schedule and recorded before 5:00 pm the day before the inspection is requested.
- After Hours, Weekend and Holiday Inspections should be schedule and the appropriate fee must be paid at least two-days before the required inspection date.
- All inspections should be called in and recorded using the Inspection Request at (712) 309.2935.
- AM scheduled inspections will be performed from 8:00 am to 12:00 noon.
- PM scheduled inspections will be performed from 12:00 noon to 4:00 pm.
- Any special requested inspection time will need to be pre-approved by your scheduled Inspector, the day before.

INSULATION INSPECTIONS & INSULATION CERTIFICATION PROGRAM



**CITY OF UNDERWOOD
BUILDING AND SAFETY
DEPARTMENT**

**241 THIRD STREET
UNDERWOOD, IA 51576
TELEPHONE: (712) 566-2373
FAX: (712) 566-2083**

An insulation inspection will be required to determine compliance with State & County adopted building codes and shall include, but not be limited to, inspections for; envelope insulation *R* and *U* values, fenestration *U* value, duct system *R* value and HVAC and water-heating equipment efficiency.

An Insulation Certificate will be accepted as an alternative for the required inspection, only if a County approved insulation installer or contractor has installed all or segregate areas of the required insulation code requirements. The County Building Official will approve all insulation installers or contractors through an inspection approval process.



Those Installers or Contractors that are interested on being approved and listed on the County Approved Insulation Installer's List will need to submit the following information to the Building Official:

- Company name
- Qualified individual(s)
- Years of experience installing Insulation
- Types of insulation installments (fiber-batt, blown, spray and etc.)
- Contact phone number, mailing address and email

Inspection alternately, the insulation installers or contractors shall provide a certification to the County Building Inspector or mailing it to the Building & Safety Division; stating and listing the following required and related information:

- Project or Building Address
- Type of Building of Structure
- Name of Insulation Installer Company
- Installation Completion Date
- Installation Installer Signature
- Type of Insulation
- Insulation Manufacturer
- *R*-value of insulation installed in each element of the building thermal envelope
- For Blown or Sprayed Insulation (fiberglass & cellulose):
 - i. Initial installed thickness
 - ii. Settled thickness
 - iii. *R*-value
 - iv. Installed density
 - v. Coverage area
 - vi. Number of bags installed
 - vii. Soffit/Eve air passage protection installed
- For Sprayed Polyurethane Foam (SPF) Insulation:
 - i. Installed thickness of the covered
 - ii. *R*-value
 - iii. Coverage area
 - iv. Opening Penetrations (door & window frame openings)
- Certificates shall list the predominant *R*-value of insulation installed in or on:
 - i. Ceiling/Roof
 - ii. Walls
 - iii. Foundation (slab, basement wall, crawlspace wall and/or floor)
 - iv. Ducts outside conditioned spaces
- Where there is more than one value for each component, the certificates shall list the value covering the largest area.

Example of Insulation Certificate:

Certification of Insulation

Address: 1234 Pottawattamie Blvd.
Type of Building: New Single-Family Dwelling
Installer/Contractor: Insulation USA
Completion Date: 09/04/2007

Wall Insulation: R-19 - Owens fiberglass batt-insulation
Floor Extensions: R-38 - Owens fiberglass batt-insulation

Window & Door Penetrations: DuPont SPF
Ceiling: R-38 - Blown cellulose insulation
Settled Thickness: 10-inches plus
Initial Installed Thickness: 12-inches
Installed Density: 80%
Coverage Area: complete attic
Soffit/Eve Air Passage Protection Installed: Yes
Number of Bags Installed: 42

Joe Insol Laterr
 Installer's Signature