






**Dollar and Energy Saving Loans**  
**Certification of Added Roof, Ceiling or Attic Insulation**

- See Instructions On Page 2 for Minimum R-Value Requirements
- To Be Completed By Roofing Contractor
- Only To Be Used When Insulation Project Includes Roof Repairs Or A New Roof

|   |  |       |                                  |          |  |                 |  |       |  |          |  |
|---|--|-------|----------------------------------|----------|--|-----------------|--|-------|--|----------|--|
| Loan Applicant Name                             |  |       | Roofing Contractor/Business Name |          |  | Phone Number    |  |       |  |          |  |
| Location or Address of Property to be Insulated |  |       |                                  |          |  | Mailing Address |  |       |  |          |  |
| City  |  | State |                                  | Zip Code |  | City            |  | State |  | Zip Code |  |

| DESCRIPTION OF PROPOSED PROJECT (Beware of Drywall Weight Limits) |          |  |       |  |           |
|---|----------|--|-------|--|-----------|
| INSULATION  | Existing | Added  | Final |  | Cost      |
| 1. Material .....   |          |  |       | 1. Insulation (_____ sq. ft) ..  | \$ _____  |
| 2. Thickness (inches) ..  |          |  |       | 2. Vents (# _____) .....   | _____     |
| 3. R-value .....  |          |  |       | 3. Roof Repair (_____ sq. ft.) ...   | _____     |
|   |          |  |       | 4. New Roof (_____ sq. ft.) ...  | _____     |
| <b>ROOF</b>   |          | See R-value Requirement Instructions on Back |       | 5. Portion Covered by Insurance (deduct) .....                                   | ( _____ ) |
| 1. Material .....   |          |  |       | 6. Net Total Installed Cost (enter here and on line 16 or 17 see instructions) . | \$ _____  |
| 2. Sloped or Flat .....   |          |  |       |  |           |



| DESCRIPTION OF DAMAGE TO EXISTING ROOF  |   |
|---|---|
| <p>1. Sketch a bird's-eye view (plan) of the roof in the space below.</p> <p>2. Show all dimensions and roof slope or pitch.</p> <p>3. Mark area to be insulated with </p> <p>4. Mark area to be reroofed with </p> <p>5. Circle areas of leaks or water damage with a heavy line. </p> <p>6. Mark area of solar shingles with a grid. </p> <p>7. Show direction North </p> | <p>1. What caused the roof damage? _____</p> <p>_____</p> <p>_____</p> <p>2. When did the damage occur? _____</p> <p>3. Can any of the repair be covered by insurance?<br/><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>4. If YES, what portion of the cost can be covered by insurance? _____</p> <p>_____</p> <p>5. If NO, give reason why repair cannot be covered by insurance: _____</p> <p>_____</p> <p>6. If covered by insurance, has a claim been filed?<br/><input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE</p> <p>7. If NO, give reason : _____</p> <p>_____</p> <p>_____</p> <p>_____</p> |

(See example on back of this sheet)

**Signatures**

I hereby certify, under penalty of perjury, that the information provided above is true, correct and complete.

**sign here**

|   |                                 |      |
|---|---------------------------------|------|
|  | Signature of Loan Applicant     | Date |
|  | Signature of Roofing Contractor | Date |

**SUBMIT THIS FORM ALONG WITH FORM 2 AND YOUR ROOFING/INSULATION BID(S) TO A PARTICIPATING LENDER**

**INSTRUCTIONS**

**Description of Proposed Project.** Line 6, Net Total Installed Cost, will also be used on Form 2, Line 16 if adding a minimum R-20 to the existing attic or ceiling insulation. This cost figure will go on Form 2, Line 17 if attic or ceiling insulation is being replaced with a minimum of R-49 of new insulation.

**Bid or Contract Documents.** The bid, or contract documents must list the manufacturer and brand of insulation being used. When using foam plastic insulation, provide information as to the existing thermal or fire barriers such as “ceiling is covered by 1/2” drywall” or “the insulation will be separated from the interior of the building by 15/32” tongue and groove wood with exterior glue.”

**Data Sheets.** When using foam plastic insulation, provide a copy of the insulation manufacturer’s data sheets which show the ASTM E 84 flame spread (<75) and smoke developed (<450) index.

**Examples of Added R-Value Requirements.** If there is no existing insulation or as in the example below, there is an existing R-5, simply add additional R-Value for a total of R-49. The minimum requirement is the addition of R-20. Even if the existing insulation is an R-40, then the final would be R-60. *Check ceiling drywall weight limits before adding insulation*

|                                | EXISTING                   | ADDED              | FINAL                                     |
|--------------------------------|----------------------------|--------------------|---|
| <b>INSULATION*</b><br>Material | Rock Wool                  | Blown In Cellulose |   |
| Thickness (inches)             | 2"                         | 8-1/2"             | 10-1/2"                                   |
| R-Value                        | R-5                        | R-44               | R-49                                      |
| <b>ROOF</b><br>Material        | Three Layers Wood Shingles |                    | Plywood Sheathing and Fiberglass Shingles |
| Sloped or Flat?                | Sloped                     |                    | Sloped                                    |

**\*Beware of Drywall Weight Limits.**

If the existing insulation has in some way become damaged and needs to be replaced, once the existing insulation has been removed, a minimum R-49 must be installed in its place as in the example below.

|                                | EXISTING                  | ADDED               | FINAL                              |
|--------------------------------|---------------------------|---------------------|------------------------------------|
| <b>INSULATION*</b><br>Material | Rock Wool Wet and Damaged | Blown In Fiberglass |                                    |
| Thickness (inches)             | 3"                        | 14"                 | 14"                                |
| R-Value                        | ∅                         | R-49                | R-49                               |
| <b>ROOF</b><br>Material        | One Layer Wood Shingles   |                     | Two Layers Wood and Solar Shingles |
| Sloped or Flat?                | Sloped                    |                     | Sloped                             |

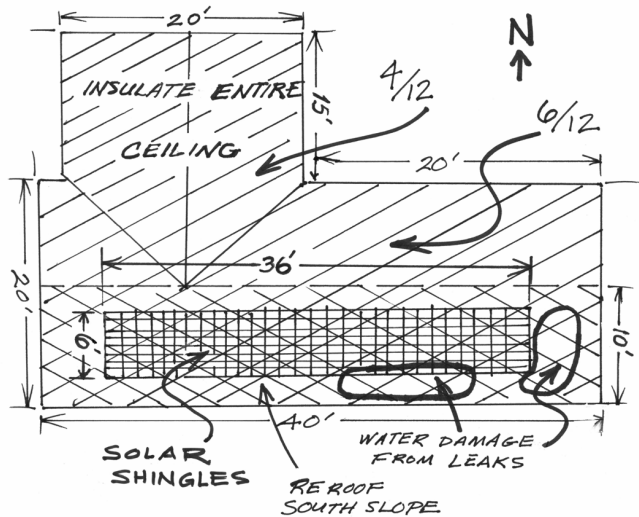
**\*Beware of Drywall Weight Limits.**

**R-values.** R-values must be for the insulation material only, determined by proper ASTM testing as outlined in the FTC’s “R-value Rule.” R-value may not be included for reflective surfaces, air films, infiltration reduction or any other characteristics of the insulation other than the R-value of the material itself.

**Solar Shingles.** Roof repair or replacement can be part of a solar shingle project. The solar shingle area must cover at least 50 percent of the roof area being repaired or replaced. **Solar shingles are not allowed on North, NNE, or NNW facing roofs, and discouraged for NW or NE, especially with steep sloped roofs.** The entire roof

**Example Roof Plan.**

1. Sketch a bird’s-eye view (plan) of the roof in the space below.
2. Show all dimensions and roof slope or pitch.
3. Mark area to be insulated with
4. Mark area to be reroofed with
5. Circle areas of leaks or water damage with a heavy line.
6. Mark area of solar shingles with a grid.
7. Show direction North



does not need to be replaced to qualify. If only 25 percent of the entire roof area is being repaired, and 50 percent of that repaired area will be covered with solar shingles, the project would qualify, within program requirements. Solar shingle area is the exposed installed area of the solar shingles.

Adding insulation is not a requirement for a solar shingle project. Adding insulation may be used to reduce the required 50 percent of solar shingle area. If using insulation to justify less than a 50 percent solar shingle area, regardless of the area being repaired, replaced, or covered by solar shingles, the entire attic must be brought up to a minimum R-49, with an exclusion for 20 percent of the ceiling area being allowed in the event there is a vaulted ceiling. A vaulted ceiling must be filled or brought to R-49 if room is available for insulation in that area. When adding insulation to reduce the solar shingle area requirement, a minimum of R-5 must be added for each 5 percent reduction in the solar shingle area.

**Example:**

|  |          |
|--|----------|
| Let "A" equal the solar shingle area of the proposed roof                | A =      |
| Let "B" equal the total area of roof being repaired or replaced          | B =      |
| Let "C" equal the R-value of your existing attic insulation              | C =      |
| Let "A" divided by "B" times 100%, rounded down to the nearest 5%, equal | D =      |
| Let 50% minus "D" equal "E" but without the percent sign                 | E =      |
| Let 49 minus "C" equal   | F =      |
| If "E" is equal to or less than zero, no insulation is needed.           | ∅        |
| If "E" is greater than zero, add to the attic R-value the larger of      | E or F = |

**Caution.** Adding insulation to a ceiling adds weight. *Check drywall ceiling weight limits before adding insulation.* Adding insulation reduces the load on your heating and cooling system. Your heating and cooling system should be sized to match the load of your home.