



City of Raymore

Building Inspection Division
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Code Interpretation: 2012 IRC Interpretation 09

Date: Updated 1/8/2012

Code/ Edition: 2012 IRC

Section(s): 905.2.7 Ice Barrier and 907.3 Re-covering versus Replacement

Subject: Roofing Replacement Materials and Repairs

Question: Is *Ice and Watershield* required in Raymore? What delineates a repair or replacement of roof coverings?

Answer: No, but conditions apply where this may be used.

Commentary:

1. IRC Section 905.2.7.1 states in areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment (roofing felt) cemented together or of a self adhering polymer modified bitumen sheet (*"Ice and Watershield"*) shall extend to a point at least 24 inches inside the exterior wall line of the building.

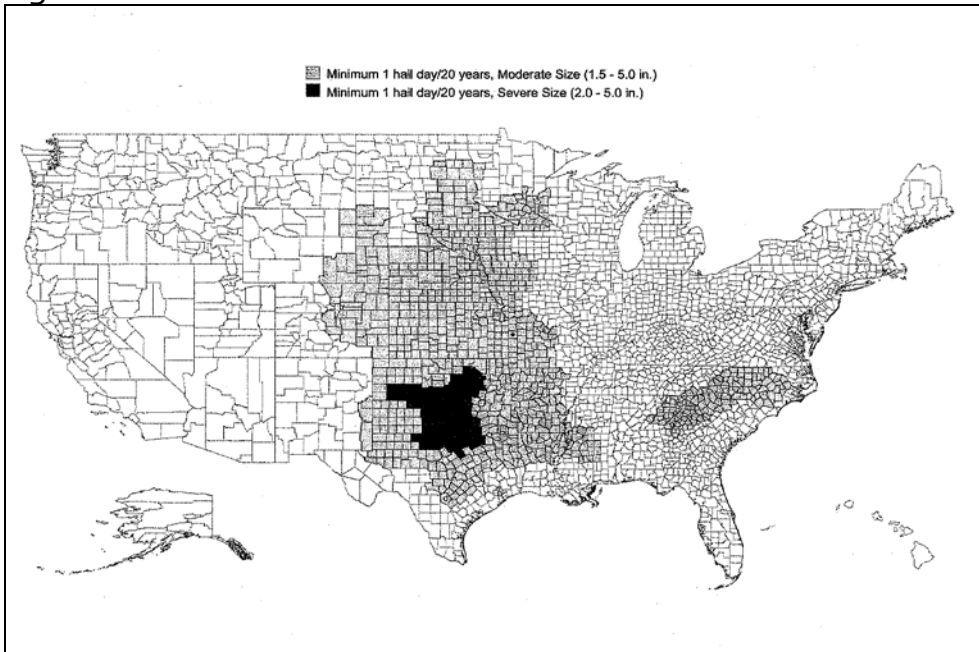
IRC Section 905.2.7 also states two layers of underlayment to be applied for roof slopes from 2/12 to 4/12 pitches. *Ice and Watershield* may be used in lieu of the two layers of underlayment. Any pitch less than 2/12 slope shall be considered a flat roof where other provisions of the code apply for this application.

2. The definition of roof repair is the reconstruction or renewal of any part of an existing roof for the purpose of its maintenance. The intention of the code is singular. Using the word part delineates roof shingle here or there for maintenance issues. ie: wood shake roofs often have ridges or sporadic pieces of shingle (s) replaced and would be considered a repair or maintenance. When numerous shingles (in our opinion 1/3 rd square or more) are replaced, then "repair" will no longer be considered but "replacement" will be interpreted.

Section 907.3 states new roof coverings shall not be installed without first removing existing roof coverings where **any of the following conditions occur:**

- Where the existing roof or roof covering is water-soaked or has been deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing
- Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.
- Where the existing roof has two or more applications of any type of roof covering.
- **For asphalt shingles, when the building is located in an area subject to moderate or severe hail exposure according to Figure 907.3.**

Figure 907.3



Raymore is in an area of moderate or severe hail exposure and adopted an amendment to the 2012 IRC. Complete removal of all layers before installing new roof coverings is required. Where wood shake shingles have been removed, new decking may be also required.

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