



# PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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## INSTRUCTIONS:

1. Only a TYPED copy will be accepted.
2. Dashed line through material to be deleted. Underline or bold face material to be added.
3. Use a second sheet for any material requiring more space.
4. Return this completed form to: Indiana Department of Homeland Security, Code Services, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204.

FOR OFFICE USE ONLY			
Received <b>6/29/2019</b>	Code <b>2018 IRC</b>	Proposal number <b>Public Comment</b>	
Code title <b>Indiana Residential Code</b>		Edition <b>2020</b>	
Section number and title <b>R905.1.2 Ice barriers. R905.1.3 Ice dam leak barrier. TABLE 301.2(1).</b>		Page Number <b>1 of 2, codebook page 436</b>	
Proponent <b>Greg Keeler</b>		Representing (if applicable) <b>Owens Corning</b>	
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## PROPOSED CODE CHANGE (check one)

☐ Change to read as follows    ☒ Add to read as follows    ☒ Delete and substitute as follows    ☐ Delete without substitution

Delete text and title of Section R905.1.2 and substitute as follows:

**R905.1.2 Ice dam water barriers.** An ice dam water barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes. The ice dam water barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet installed in place of normal underlayment. The ice dam water barrier shall extend from the lowest edges of all roof surfaces to a point on the roof intersecting with a line projecting vertically from a point not less than 24 inches (610 mm), measured horizontally, from the inside plane of the exterior wall framing. Where the ice dam water barrier intersects with a vertical wall before extending to the required distance the ice dam water barrier shall extend up the vertical face of that wall a minimum four inches (102 mm). On roofs with slope equal to or greater than eight units vertical in twelve units horizontal (67-percent slope), the ice dam water barrier shall also be applied for a distance of not less than 36 inches (914 mm) in from, and along, the roof rake edges.

## Exceptions:

1. Ice dam leak barriers are not required for detached accessory structures not containing conditioned floor area.
2. On newly constructed roof systems:
  - 2.1. The ice dam water barrier shall only be required to extend thirty-six inches (914 mm) up the roof  
from the lowest edges where the attic has R-38 insulation installed full depth to the outside edge of the exterior wall, with at least one inch (25 mm) of open air space between the insulation and the bottom of the roof decking, and vented in accordance with Section R806.1 through R806.4
  - 2.2. The ice dam water barrier shall only be required to extend thirty-six inches (914 mm) up the

roof

from the lowest edges where enclosed rafter spaces have minimum R-38 insulation installed full depth to the outside edge of the exterior wall, with at least one inch (25 mm) of open air space between the insulation and the bottom of the roof decking, and vented in accordance with Section R806.1 through R806.4.

- 2.3 The ice dam water barrier shall only be required to extend 36 inches (914 mm) up the roof from the lowest edges where the roof is installed above insulated unvented attics, and insulated unvented enclosed rafter spaces, installed in accordance with Section R806.5.

Add a new section, R905.1.3 as follows:

**R905.1.3 Ice dam water barrier.** The term “ice barrier” in this code shall have the same meaning as “ice dam water barrier” described in Section R905.1.2.

**Review of TABLE R301.2(1) to make YES for all 92 counties in the State of Indiana**

REASON STATEMENT AND FISCAL IMPACT
<p>This proposal designates where on residential roofs ice barriers are required and to what distance up the roof or along the rake. The exceptions address different ice damming scenarios of vented and unvented attics, attic insulation installation and the ice damming that occurs at the bottom edge of the roof in the eavespouting. Since the attic insulation package is probably unknown to reroofing contractors Exception #2 gives allowances for only newly constructed roof systems.</p> <p>Fiscal impact: Neutral; some additional material will be needed on roofs with slopes of 8/12 or higher but some roofs will require less material when energy heels are used for the structure, offsetting the costs over the area where the ice dam leak barrier material is required.</p>
REVIEW RECOMMENDATION
Approve
Reject
Approve as amended
Further study