

ICE BARRIER REQUIREMENT

2021 International Residential Code

R905.2.7 Ice Barrier. Where required, ice barriers shall comply with Section R905.1.2

R905.1.2 Ice Barriers. In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2, an ice 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 barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extended from the lowest edges of all roof surfaces to a point not less than 24 inches inside the exterior wall line of the building. On roofs with slope equal to or greater than 8 units vertical in 12 units horizontal (67% slope), the ice barrier shall also be applied not less than 36 inches measured along the roof slope from the eave edge of the building.

Table 301.2

GROUND	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topo- graphic effects	Special wind region	Windbourne debris zone		Weathering	Frost line depth	Termite				
30 psf	107 (48)	no	no	no	A	severe	42"	Moderate	yes	7/18/2011	2500	46.3

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