

RB221-22

F 11522
refer to structural

Original Proposal

IRC: R703.6.1

Proponents: Jay Crandell, P.E., ABTG/ARES Consulting, Foam Sheathing Committee of the American Chemistry Council
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2021 International Residential Code

Revise as follows:

R703.6.1 Application. Wood shakes or shingles shall be applied either single course or double course over nominal 1/2-inch (12.7 mm) wood-based sheathing or to furring strips over 1/2-inch (12.7 mm) nominal nonwood sheathing. ~~A water-resistive barrier shall be provided in accordance with Section R703.2 over all sheathing, with horizontal overlaps in the membrane of not less than 2 inches (51 mm) and vertical overlaps of not less than 6 inches (152 mm).~~ Where horizontal furring strips are used, they shall be 1 inch by 3 inches or 1 inch by 4 inches (25 mm by 76 mm or 25 mm by 102 mm) and shall be fastened to the studs with minimum 7d or 8d box nails and shall be spaced a distance on center equal to the actual weather exposure of the shakes or shingles, not to exceed the maximum exposure specified in Table R703.6.1. When installing shakes or shingles over a nonpermeable *water-resistive barrier*, furring strips shall be placed first vertically over the *water-resistive barrier* and in addition, horizontal furring strips shall be fastened to the vertical furring strips prior to attaching the shakes or shingles to the horizontal furring strips. The spacing between adjacent shingles to allow for expansion shall be 1/8 inch (3.2 mm) to 1/4 inch (6.4 mm) apart, and between adjacent shakes shall be 3/8 inch (9.5 mm) to 1/2 inch (12.7 mm) apart. The offset spacing between joints in adjacent courses shall be not less than 1 1/2 inches (38 mm).

Reason: This proposal is a clean-up to ensure WRB requirements and installation are based on Section R703.2 which more completely addresses the subject. This avoids redundant requirements in the code that can become out of sync. It also corrects the term "barrier" by replacing it with the defined term "water-resistive barrier".

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal removes a redundancy and coordinates with existing requirements in the code for WRB installation.

Public Hearing Results

Committee Action

As Submitted

Committee Reason: The committee approved this proposal based on the fact that the proposal refers to section R703.2, water-resistive barrier, for the complete requirements. In addition, the proposal deletes the redundant text in section R703.6.1, Application, because the exact requirements are addressed in the referenced code section (Vote: 10-0).

Final Hearing Results

RB221-22

AS