

Nailstrip No. 8002

Subject: Rainscreens

Date: September 2011 (Revised January 2019)

Rainscreens are a building science design strategy for exterior walls that incorporate a number of elements to reduce the potential for water damage. Rainscreens are most commonly used in regions that have significant rainfall. The key elements of a rainscreen are:

1. Exterior Cladding
2. Air Space
3. Drainage Layer
4. Airtight Wall

Rainscreen designs accept that water may penetrate the exterior cladding, but this water is subsequently removed by draining down the drainage layer and exiting out the bottom of the wall assembly. The drainage layer coupled with the air space provides an improved defense to resist potential damage from water to the wall and cladding materials.

ThermaFoam R-Control Nailstrip is ideal for use as part of a Rainscreen design when covered with a weather resistant barrier, furring, and an exterior cladding. Please refer to the attached detail.



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