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Simplified R-Value for Walls in One and Two Family Dwellings

Code: 2012 Energy Conservation Code

Date: July 3, 2012

Section: 402.1.2, Table 402.1.1

Question:

When using Table 402.1.1, may I consider all of the construction materials in a wall assembly to meet the prescriptive Table R-value requirements?

Answer:

No, the prescriptive R-value requirements indicated in the table are for installed insulation products only. The sum of the R-values of the insulation materials installed in the framing cavities combined with insulating sheathing must meet or exceed the minimum required R-value in Table 402.1.1. Framing, drywall, structural sheathing or exterior siding materials shall not be considered as contributing to the required R-value. Similarly, the R-value requirements in the Table 402.1.1 for ceiling, floor, basement wall, crawl space wall, and slab perimeter must be met by the installation of insulation products only.

Keywords:

prescriptive insulation requirements