

**NC Department of Insurance
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Roof Assembly R-Values in Commercial Buildings

Code: 2002 Energy Code
Section: 802.2.4; Table 802.2

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Question:

When using the building envelope prescriptive tables in Chapter 8 for commercial buildings for roof assemblies, must I use both the insulation between framing R-value and the continuous insulation R-value in combination or can I use one or the other values alone to satisfy the insulation requirement?

Answer:

One must use only the insulation between framing R-value or the continuous insulation R-value alone to satisfy the insulation requirement in Chapter 8 for commercial buildings roof assemblies. Typically both values are provided in the Table 802.2, but the designer has an option to select one or the other for compliance.

Keywords:

Commercial building roof assembly