

**NC Department of Insurance
Office of the State Fire Marshal - Engineering Division
1202 Mail Service Center, Raleigh, NC 27699-1202
919-661-5880**

U-Value for Residential Opaque Exterior Doors

Code: 2012 Energy Conservation Code

Date: July 3, 2012

Section: 402.3.4

Question:

What is the prescriptive U-Value requirement for opaque exterior doors in the building thermal envelope for Residential Buildings?

Answer:

Section 402.3.4 indicates that opaque doors in the building thermal envelope shall have a maximum U-factor of 0.35. However, one exterior door is exempt from the requirement. The exemption could be used for an ornate entrance door assembly in a residential building which does not comply with the U-value requirement.