

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

Prescriptive U-Value for Opaque Exterior Doors for Residential Type A1 and A2 Buildings

Code: 2002 Energy Code

Date: January 31, 2005

Section: 502.2.4.6

Question:

What is the prescriptive U-Value requirement for opaque exterior doors in the building thermal envelope for Residential Type A1 and A2 buildings?

Answer:

Section 502.2.4.6 of the 2002 NC Energy Code 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 code exempts one door from the U-factor requirement to allow the installation of an ornate entrance door assembly in a building without going to another compliance approach.

Keywords:

Opaque door U-value