

**INTERPRETATION IC 90.1-2007-27 OF
ANSI/ASHRAE/IESNA STANDARD 90.1-2007
Energy Standard for Buildings Except Low-Rise Residential Buildings**

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Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2007, Section A6.3.2 and Table A6.3, regarding the F-factor for slab-on-grade floors.

Background: Tables 5.5-1 through 5.5-6 require an unheated slab-on-grade floor to have an F-factor of 0.73. Per Section A6.1, "For the purpose of A1.2, the base assembly is a slab floor of 6 in. concrete poured directly on to the earth." Per Section A6.3.1 "F-factors for slab-on-grade floors shall be taken from Table A6.3." and per Section A6.3.2 "These F-factors are acceptable for all slab-on-grade floors." Per Table A6.3 an unheated, uninsulated, slab-on-grade has an F-factor of 0.73.

Interpretation: An unheated and uninsulated four inch (4") thick concrete slab-on-grade floor meets the 0.73 F-factor requirements of Tables 5.5-1 through 5.5-6 per Section A6.3.2 and Table A6.3.

Question: Is this interpretation correct?

Answer: Yes

Comments: For Tables 5.5-1 through 5.5-6 in the unheated Slab On Grade Floors construction assembly category, where the insulation requirement is F-0.73, an uninsulated min 4" concrete slab meets the intent of the standard.