

Code Correlation between the International Mechanical Code (IMC) and the International Energy Conservation Code (IECC)

During the 2018 IECC Stakeholder meeting held in December, 2018 one of the attendees raised a potential issue that both the IMC and IECC require continuous under slab insulation for all heated slab on grade floors i.e. all slab floors that have radiant floor heating systems. This could create a conflict if both codes contained the same requirement.

A review of the 2018 IECC and IMC found the following:

- Table C402.1.3 of the 2018 IECC requires an R-5 insulation to be installed under the full slab. This was not a requirement in the 2015 IECC.
- A change was made to the 2018 IECC to remove the requirement for R-5 under slab insulation and reference the IECC (see below).

1209.5 Thermal barrier required. Radiant floor heating systems shall be provided with a thermal barrier in accordance with Sections 1209.5.1 and 1209.5.2. Insulation *R*-values for slab-on-grade and suspended floor installation shall be in accordance with the *International Energy Conservation Code*.