

9-8-12 Siding and insulation requirements:

- A. **Exterior requirements air barrier and thermal barrier.** A continuous barrier shall be installed in the building envelope. Exterior thermal envelope must be continuous, breaks in air barrier and joints shall be sealed. Air permeable insulation shall not be used as a sealing material.

- B. **Windows:** All insulation shall be in compliance with the Illinois Energy Conservation Code that is in effect.
Caulking and Sealants: Exterior joints around windows and door frames shall be insulated with type 1 low expandable (foam). Batt insulation is prohibited. (Ord. 2014-46)

- C. **Walls:**
 - 1. **Commercial:** Shall comply with IL 2015 (or Code that is in effect) Energy Conservation Code or ANSI/ASHRAE/IESNA Standard 80.1-2010. (Ord. 2014-46, 16-3-14)
 - 2. **Residential:** All exterior and plumbing walls shall be carefully insulated with insulation having a minimum insulation value of R-13 and R-5 insulated sheathing. The insulation wall value shall be R-20 or R-13 +5. The insulation shall not be compressed during installation as to reduce its effectiveness.

- D. **Ceilings/Roof:** All residential ceilings shall be carefully insulated with an insulation having a minimum value of R-49. All ceilings that will be insulated are required to have batt/blanket for the first layer. All sloped areas will be insulated with batts only. Blown in material is prohibited.

- E. **Underfloor and Crawl Spaces:** Insulation with a minimum insulation value of R-15/19 is required on the crawl space walls thirty inches (30") vertically below the box sill. All box sills shall be insulated value of R-13. (BBC 9-8-12D1)