

INSULATION INSPECTIONS

The City of Louisville will inspect using the lowest performance standard of any insulation product. The reason is to give the benefit for workmanship and minor unseen installation errors while installing the product. Per N1101.14 of the IRC, a permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, utility room or approved location inside the building. The City of Louisville will require these to be placed in or next to the electrical panel. The certificate shall indicate the R values of the insulation installed.

Product Used for R-60:	Inches Needed:	R- Value per 1”
• Closed Cell Spray Foam	11 Inches	R-5.6
• Fiber Glass Batts	20 Inches	R-2.9
• Fiber Glass Loose	27 Inches	R-2.2
• Spray Foam Open Cell	14 inches	R-4.2
• Cellulose	20 inches	R-3.1
• Stone Wool Loose	27 inches	R-2.2
• Stone Wool Batts	19 inches	R-3.3
• Cotton Batts	20 inches	R-3

Insulation Type:	R-Value per Inch:
Fiberglass (loose)	2.2 – 2.9
Fiberglass (batts)	2.9 – 3.8
Cellulose (loose)	3.1 – 3.8
Stone Wool (loose)	2.2 – 3.3
Stone Wool (batts)	3.3 – 4.2
Cotton (batts)	3.0 – 3.7
Cementitious (foam)	2.0 – 3.9
Polyisocyanurate (foam)	3.6 – 4.3
Phenolic (foam)	4.4 – 8.2
Polyisocyanurate (foam)	5.6 – 8.0
Polyurethane (foam)	5.6 – 8.0