

Insulation Installed	R-value/in.	\$/R-value/sf
Unfaced fiberglass batts (high density)	3.9	0.06
Fiberglass wool dense-packed	4.2	0.10
Fiberglass wool loose-fill	2.9	0.10
Cellulose dense-packed	3.4	0.08
Cellulose loose-fill	3.9	0.04
Rockwool batts	4.1	0.12
Closed-cell spray foam	6.0	0.18
Open-cell spray foam	3.7	0.17
Polyisocyanurate foam board (PIC)	6.0	0.15
Expanded polystyrene foam board (EPS)	4.0	0.21
Extruded polystyrene foam board (XPS)	5.0	0.23

Whole-Wall R-Values from Full-Scale Testing	
Wall Construction	Whole-wall R-value
2 by 4 fiberglass batts, perfect installation	9.7
2 by 6 fiberglass batts, perfect installation	12.8
2 by 6 fiberglass batts, poor installation	11.0
2 by 4 steel, batts, perfect installation	5.6
2 by 4 steel, batts, EPS sheathing	10.5
EPS 6-inch structural panel	21.6
Stucco-clad straw bale	16 - 28
Insulating concrete form wall	26 - 44