

Insulated Wall Design

Softwood, such as Canadian spruce, has an R-value of approx. 1.2 per inch thickness.

To meet and even exceed the NEW energy efficiency Building Code, we have the double wall system (picture below) for an R-25 insulation value.

Following the complete assembly of a single log wall structure, 2"x 6" studs are installed to the inside surface of the exterior log walls. The studs are fastened to the log walls with metal angle brackets that allow the interior studs and the exterior log walls to expand and contract independently. The cavity (R-20 fiberglass insulation) between the studs is insulated and wired the same as a conventional house construction. The inside of the studs are then covered with 1"x 6" t&g boards to match the interior divisional walls. All interior walls remain single 3"x 6" log walls.

The finished double wall has the exact same appeal as all other log walls, except it has an R-25 insulation value.

