



## Basement Walls

Another source of energy loss for a home is the basement walls. The walls of a basement are usually buried beneath the earth and are therefore consistently much cooler than what the average person tends to like to keep their home temperatures. Since the basement of most homes holds the boiler, furnace, or hot water heater, the excess heat that is generated by the equipment is lost through the concrete walls. The concrete walls of the basement absorb heat through the concept known as conduction and thus this residual heat is wasted. The best solution to this issue is to insulate the basement walls.

We usually approach basement walls in two different ways. The first way is to install 2" of closed cell spray foam to the concrete walls. The spray foam stops the flow of air and also acts as a moisture barrier. The second approach is to install 2" polyiso foam board to the basement walls. The polyiso foam board does the same to insulate the walls to prevent the heat loss. The polyiso foam board also has a foil face which reflects the heat on top of the R-value of the foam board.



