

# Nuheat Floor Heating Systems

## Slab Insulation Information for Nuheat Floor Heating Systems

### SLAB INSULATION UNDERLAY

Adding insulation on top of a slab and beneath any floor heating system will allow a greater percentage of the heat generated to transfer to the flooring surface. This leads to greater efficiency and therefore faster warm up times, higher expected surface temperatures and lower energy usage. The floor will have the capacity to warm to a comfortable temperature, and in some cases can be employed as the primary heat source for a room.

Below are insulation options for use with Nuheat Floor Heating Systems.

### INSULATED UNDERLAYMENTS

- This is a new group of products to the flooring installation market. Offering excellent insulating properties along with the ability to be used in place of a regular tile backer board, these products are also relatively inexpensive.
- Check with specific manufacturers for proper installation instructions.

### PRODUCT RECOMMENDATION

**Easymat**  
[www.custombuildingproducts.com](http://www.custombuildingproducts.com)

**AcoustiCORK**  
[www.acousticorkusa.com](http://www.acousticorkusa.com)

**Acousti-Tech for wood**  
[www.acousti-tech.com](http://www.acousti-tech.com)

**Cerazorb**  
[www.cerazorb.com](http://www.cerazorb.com)

### INSULATED TILE BACKER BOARDS OR CONCRETE/CEMENT BOARDS

- There are a number of products on the market. The basic concept is a sandwich of insulating material between two thin layers of cement. The boards are available in a variety of thicknesses. These products tend to be less expensive and more widely available at home improvement stores.
- Check with specific manufacturers for proper installation instructions and compatibility with floor heating systems.

### PRODUCT RECOMMENDATION

**Wedi Corp.**  
[www.wedicorp.com](http://www.wedicorp.com)

**DuRock**  
[www.durock.ca](http://www.durock.ca)

**HardieBacker**  
[www.jameshardie.com](http://www.jameshardie.com)

**WonderBoard**  
[www.custombuildingproducts.com](http://www.custombuildingproducts.com)

### PLYWOOD OR OSB (ORIENTED STRAND BOARD)

- Widely available at nearly all home improvement stores, plywood and OSB offer various thicknesses and can be an inexpensive solution to slab insulation.
- When using plywood or OSB over top of concrete, a moisture barrier is typically required between the slab and the plywood or OSB. This moisture barrier will help keep excess moisture from penetrating the wood substrate.

