

# Using Orbry Insulated Board On An Uninsulated Screed In A Conservatory



## THE PROPERTY

Located in Sussex and built in 2012, the conservatory is a double glazed uPVC construction on an uninsulated screed. Floor size 21m<sup>2</sup>. The room's heating is two small radiators.

## THE PROBLEM

The owner was concerned that tiling to an uninsulated screed would result in a cold floor which would make the room uncomfortable and hard to heat.

## THE SOLUTION

The choices were either an insulated screed or overlay an uninsulated screed with 50mm Orbry Insulation Board.

The insulated screed was considered unsuitable as the build up of the insulation and screed would have meant the finished floor height would have been too high. Additionally, the thermal mass of a 65mm screed and 10mm tile would have meant floor would have taken too long to warm from a cold state.

The Orbry solution meant the finished floor height was 65mm lower and saved the costs of screeding. The thermal mass thickness was reduced by 65mm which meant the floor would heat up much more quickly in sunlight or to the ambient heat of the room when the sun was not available.

An added benefit of the Orbry solution meant that the owner was not required to wait for the screed to dry prior to tiling.

## THE OUTCOME

"Even on the coldest day the floor is pleasant to walk on and I can use the conservatory throughout the winter. Because the floor does not get cold there is not a problem with drafts. The room heats quickly and the heating cost is low."

- Jane, West Sussex

