Marmox multiboard significantly improves the energy efficiency of undertile heating. Recent changes to the NZ Building Code require heated floors in new homes to be insulated and in most cases Marmox exceeds this requirement.

To calculate the thickness of Marmox multiboard (required to meet the new regulations in your new home):
- Divide the area of heated floor by the perimeter length (of the exterior walls in the room).
- If the calculated result is greater than 1.6, then 6mm Marmox multiboard is sufficient.
- If the calculated result is between 1.3 and 1.6, then 10mm Marmox multiboard will meet the requirement.

Example 1
Size of room: 3m x 3m
Floor area : 9 sqm
If only one wall of the room is an outside wall, the perimeter wall is 3m long.
Room area/ length of perimeter wall = 9/3 = 3
As this value is greater than 1.6, 6mm Marmox multiboard will comply with the NZ Building Code.

Example 2
Size of room: 3m x 3m
Floor area : 9 sqm
If 2 walls of the room are outside walls, the perimeter walls will be 6m long
Room area/length of perimeter wall = 9/6 = 1.5
As this value is between 1.3 and 1.6, 10mm Marmox multiboard will comply with the NZ Building Code.

If room area/length of the exterior walls is less than 1.3, an additional insulation product will be required as 10mm Marmox multiboard alone will not provide sufficient insulation – refer Cosgrove Major 37708 Marmox Insulation Board Technical Review – November 2007