To calculate the thickness of Marmox multiboard (required to meet the new regulations in your new home)

- *Divide the area of the 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