



*Make your space,
a healthy place.*

OUR
COMMON
FUTURE

MAGNUM BOARD TILE BACKER WEIGHT ALLOWANCES

Wall Substrate Maximum Weight of tiling per m²

Magnum Board 9mm 40Kg/m²

Magnum Board 12mm 50Kg/m²

Gypsum Plaster 20Kg/m²

Gypsum Plasterboard Direct (without a plaster skim) 32Kg/m²

Plywood (WBP) Up to 30Kg/m²

Lightweight Tile backing Boards Up to 40Kg/m². Dependent on the type and thickness of the board.

Glass reinforced Cement Sheets Up to 50Kg/m². Dependent on the type and thickness of the board.

Gypsum Fibre Boards Approximately 35-40Kg/m²

If you are tiling on top of a tanking system, please also check with the manufacturer about its weight limitations. As an example, the BAL WP1 can only hold a maximum of 32Kg/m² depending on the background its applied to. (For instance, if it was tanked plaster, this would drop to 20Kg/m²)

When it comes to tile weight, we need to bear in mind all the different tile types, there are different qualities, thicknesses, and densities. This is a "rough" guide as to working out how much a tile weighs without having to go weigh each tile individually.

These weights are the "approximate" weight of the material type per 1mm thickness. All you need to do is multiply the weight by the thickness of the tile to get the square metre weight:

Ceramic 1.75Kg/m² per mm

Porcelain 2.403Kg m² per mm

Granite 2.691Kg/m² per mm

Limestone 2.611Kg/m² per mm

Marble 2.563Kg/m² per mm

Quartz 2.173Kg/m² per mm

Sandstone 2.323Kg/m² per mm

In addition to the tile weight for wall tiling, you also need to allow the maximum possible weight of the adhesive to account for water content when applied, and possible moisture intake in the future.

Cement based adhesive per mm (solid bed after compression) = 2.162Kg/m² per mm

Examples

9mm Porcelain (2.403 x 9 = 21.627Kg/m²) +2mm Adhesive (4.324Kg) = 25.95Kg/m²

12mm Quartz (2.173 x 12 = 26.076Kg/m²) +3mm Adhesive (6.486Kg) = 32.562Kg/m²