

# Porcelain magnetic rubber backed tile technical data sheet

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## Technical data sheet specification

### Top covering and core:

Porcelain tile, natural stone, or reconstituted stone with thicknesses from 10mm to 20mm

### Edge trim:

0.8 / 1.2 mm thick no-creak self-extinguishing plastic ABS

### Bottom covering:

**SILENT:** 2mm thick rubber EPDM charged by mineral fibres to grant it a high specific gravity ~2.000 kg/m<sup>3</sup>. Very high soundproofing, and grip effect to the laying level; non-toxic, odourless. Temperature between -30°C and +70°C.

**MAGNETIC:** as per the Silent version with an additional flexible magnetic foil 0.5 mm thick made of plastoferrite, composed of a mixture of rubber and ferrite, with 430 gauss readings in contact, and a force of 0.18 G x cm<sup>2</sup> on the ground, total thickness 2.5 mm

### Dimensions:

600 x 600 x 12/22mm (as a core guide only – other dimensions available)

### Ultimate load

**on panel side (1):** 336kg

### Ultimate load

**on panel centre (2):** 444kg

### Ultimate load

**on panel side (3):** 698kg

### Ultimate load

**on panel centre (4):** 726kg

### Weight per m<sup>2</sup>:

27.2kg

### Core panel

#### electrical

**resistance:**  $\rho \leq 1010$

### Core/top covering

#### panel nominal

**density:** 2.000kg per m<sup>3</sup>

### Reaction to fire:

It does not spread flame

### Silent: acoustic

#### insulation (lateral)

**R<sub>LWP</sub>** dB  $\geq 45$

(1) indentor 25x25mm

(2) indentor 50x50mm

(3) indentor 60x60mm

(4) indentor 75x75mm



Tests carried out on the Tier drylay system laid on an ideal surface (floor perfectly flat)

## Dimensional class

### Class 1

#### Length of

**panel sides:**  $\pm 0.2\text{mm}$

#### Squareness of

**panel:**  $\pm 0.3\text{mm}$

#### Thickness:

$\pm 0.3\text{mm}$

### Class 2

#### Length of

**panel sides:**  $\pm 0.4\text{mm}$

#### Squareness of

**panel:**  $\pm 0.5\text{mm}$

#### Thickness:

$\pm 0.5\text{mm}$

### NB:

The technical data for a Tier drylay panel has been achieved following tests done on a large range of Italian porcelain tiles, of which the first choice being 10mm thickness. We cannot guarantee the same performance in the case of free issue materials, therefore the deviations in according to EN 12825 may not be respected (length of panel sides, squareness of panel, straightness of sides horizontally, thickness of panel, panel twist, vertical warping of panels, difference in height between perimeter trims and panel surface).

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