

Porcelain magnetic rubber backed tile technical data sheet

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TIERdrylay™
FLOORING SYSTEMS

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: 3mm thick rubber EPDM charged by mineral fibres to grant it a high specific gravity ~2.000 kg/m³. 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 cm² on the ground, total thickness 2.5 mm

Dimensions:

600 x 300 x 10/20 mm
600 x 600 x 10/20 mm
900 x 900 x 10/20 mm
600 x 1200 x 10/20 mm

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 m²: 27.2kg

Core panel electrical resistance: $\Omega \leq 1010$

Core/top covering panel nominal density: 2.000kg per m³

Reaction to fire: It does not spread flame

Silent: acoustic insulation (lateral)

R_{LWP} dB ≥ 45

- (1) indenter 25x25mm
- (2) indenter 50x50mm
- (3) indenter 60x60mm
- (4) indenter 75x75mm

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

