

Ceramic magnetic rubber backed tile technical data sheet

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Technical data sheet specification

Top covering and core:	Ceramic 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:	<p>SILENT: 2mm 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.</p> <p>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</p>
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 m²:	27.2kg
Core panel electrical resistance:	$\rho \leq 1010$
Core/top covering panel nominal density:	2.000kg per m ³
Reaction to fire:	It does not spread flame
Silent: acoustic insulation (lateral) R_{LWP}	dB ≥ 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 ceramic 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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