

PANEL DATA SHEET



PSi MASSETTO

It is a high density gypsum fiber board drilled on all sides for the jointing and gluing of the panels together. When connected, they form a stable surface. The slabs are supplied raw and then finished superficially, at the customer's discretion, with the most suitable material. Available sizes: 1200x600 mm / 600x600 mm - thickness available: 25 mm / 28 mm / 32 mm / 38 mm (non-standard thickness on request). PSi Massetto elements are characterized by high resistance, rapidity and efficiency in laying and high safety. They are also classified as a non-combustible material and can therefore be used instead of wood-based materials. The slabs are used for interlaminar floors and are suitable for industrial, commercial and residential buildings thanks to their classification as a non-combustible material. Efficient also for floors subjected to high loads.

PSi MASSETTO COMPOSITION

1 CORE

Panel with a gypsum fiber structural core. The support, classified as a non-combustible material, is supplied raw and can be covered with the surface finish chosen by the client. The assembly is guaranteed by the union of the male / female edges of the panels with specific glue.

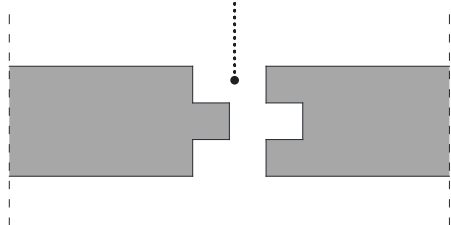
2 EDGE TRIM

Made by male / female milling on all sides for jointing and gluing the panels together.

3 TOP FINISH

Raw supplied slabs: the surface finish is applied after laying on the building site. The materials required as top finish are: Laminates, PVC, Linoleum, Rubber, Carpet, Parquet, Porcelain Stoneware, Cotto, Mami and Granite

PANEL SECTION



Nominal characteristics

Dimension	1200x600 mm / 600x600 mm
Thickness	25 mm, 28mm, 32 mm
Panel weight (600x600)	± 13,5 kg, ± 15,1 kg, ± 17,3 kg
Panel weight (1200x600)	± 27 kg, ± 30,2 kg, ± 34,6 kg
Weight SQM	± 37,5 kg, ± 42 kg, ± 48 kg

Physical and dimensional characteristics

Length variation as a function of temperature	≤ 0,02 mm/(mk)
Thermal expansion coefficient	12,9*10 ⁻⁶ 1/K
Water vapor diffusion coefficient	30/50
Specific heat	> 1000 kj/(kgK)
Thermal conductivity	0,44 W/(mK)
Class according to EN 13501-1	class A1 (not inflammable)
Class according to DIN 4102-1	class A2 (not inflammable)
Hygrothermal operating conditions	to -10° a +35° ca. 35-75% R.H.
Walking sound level without top finish	25 mm_ 90 dB 28 mm_ 94 dB 32 mm_ 79 dB

Mechanical characteristics (EN 13213)

RAW SLABS IN GYPSUM FIBER

Tiles dimension	1200 x 600 mm / 600 x 600 mm		
Type of structure	SAS / STS		
Gifafloor slab thickness	sp. 25 mm	sp. 28 mm	sp. 32 mm
Load class	2,0	3,0	5,0
Useful load (ultimate load / security factor)	kN 3,0	4,0	5,0
Ultimate load	kN ≥ 6	≥ 8	≥ 10
Security factor	2,0	2,0	2,0

The concentrated and distributed loads refer to a 2,5 mm deflection.

*1 kN = 102 kg