

# PANEL DATA SHEET



## PAi 30 STEEL

The panel is made from a coil of high quality steel sheet that is pressed, shaped, welded and finally painted with epoxy powder. The panel is filled with expanded cement which, after having been kept at rest, creates a stable support structure. The panel is installed through the use of a special structure composed of columns and steel connecting crosspieces.



### PAi 30 COMPOSITION

#### 1 LOWER SHEET

Press-formed steel sheet, welded and painted with epoxy powder. It has a bubble rib that guarantees excellent mechanical resistance characteristics

#### 2 CORE

Made of expanded cement that stiffens and strengthens the panel.

#### 3 UPPER SHEET

Upper finishing sheet welded to the lower plate, creates a planar and homogeneous top, ideal for laying self-fixing finishes.



#### Mechanical characteristics (EN 12825)

##### PANELS WITH GRES AS TOP FINISH

Line		700	800	1000	1250	1500	2000
Mobile load		2,3	3,0	3,6	4,5	5,6	7,8
Concentrated load - center of the panel	kN	3,0	3,6	4,4	5,6	6,7	8,9
Ultimate load	kN	8,9	10,7	13,3	16,7	20,0	26,7
Distributed load	kN/m <sup>2</sup>	12,5	16,5	23,0	33,0	39,3	52,6

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

\*1 kN = 102 kg