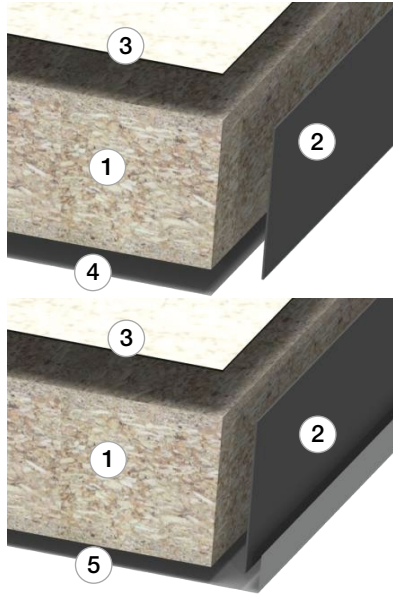


PANEL DATA SHEET



PTi 30

The panel consists of support material in wood chipboard added to resins with low emission of formaldehyde, of nominal density 720 kg / m³, with a nominal thickness of 30 mm. The material is certified in the environmental field according to the FSC, which guarantees the proper and responsible management of the forests from which the raw material constituent. The bottom side is coated, according to the needs, with a choice of materials that improve the characteristics. The panels are edged in plastic material antisqueak, a nominal thickness of 0.45 mm and a height equal to that of the panel. The nominal size of the panel depends on the caliber of the ceramic. The reduced dimensional tolerance causes the panel falls into Class 1 according to the reference standard EN 12825.



COMPOSITION

1 CORE

Modular panel of chipboard (density 720 kg / m³) consists of wood particles bonded with thermosetting resins, obtained by the process of thermopressing continuously in order to ensure high homogeneity of mechanical characteristics and dimensional stability of the product.

2 EDGE TRIM

Made of plastic material compound antisqueak, a nominal thickness of 0.45 mm and a height equal to that of the panel, totally free from PVC and self-extinguishing (class V0 UL94 standard).

3 TOP FINISH

HPL, PVC, linoleum, rubber, carpet, Flooring, Porcelain, Terracotta, marble, granites and reassembled, aluminum, steel sheet.

4 BOTTOM FINISH

Aluminum foil thickness. 0.05mm ensures excellent barrier against humidity and fire and electrical continuity to the floor. Plate phenolic laminate that increases the stiffness, the mechanical characteristics and constitutes a moisture barrier.

5 BOTTOM FINISH

Steel plate / pan of galvanized steel of thickness 0.5 / 0.9 mm which increases the stiffness, the mechanical characteristics and an excellent moisture barrier.

Nominal Characteristics

| | |
|--------------|----------------|
| Dimension | 600x600 mm |
| Thickness | 28 mm |
| Panel weight | 7,3 kg ± 5% |
| Weight SQM | 20,3 kg ± 5% |
| Density | 720 kg/mc ± 5% |

Physical Characteristics

Dimensional deviations with resilient
Dimensional deviations with ceramic
Electrical resistance, top finish excluded
Self-extinguishing edging
Walking sound level at 500Hz
Fire rating
Fire reaction rating
Formaldehyde emission

class 1 (UNI EN 12825/03)
class 2 (UNI EN 12825/03)
1x10¹⁰ohm max (EN 1081)
V0 (UL 94)
19 dB
REI 30 (UNI EN 13501-2/09)
Bfl-S1 (UNI EN 13501-1/09)
E1 Class

Mechanical characteristics (EN 12825)

PANELS WITH RESILIENT AND PARQUET AS TOP FINISHES

| Bottom finish | Aluminium | | | | | | | Steel sheet / Steel tray | | | | | |
|---|-------------------|-----|-----|-----|-----|-----|-----|--------------------------|-----|-----|------|------|------|
| | Type of structure | SAS | STQ | STS | STR | STO | STC | SAS | STQ | STS | STR | STO | STC |
| Concentrated load - center of the side | kN | 1,0 | 1,1 | 1,2 | 1,5 | 1,7 | 2,0 | 1,6 | 1,7 | 1,8 | 2,3 | 2,1 | 3,0 |
| Concentrated load - center of the panel | kN | 1,5 | 1,5 | 1,6 | 1,7 | 1,8 | 1,9 | 2,1 | 2,1 | 2,2 | 2,4 | 2,5 | 2,6 |
| Ultimate load | kN | 4,6 | 5,5 | 5,7 | 6,1 | 7,0 | 8,6 | 7,6 | 8,7 | 8,9 | 9,3 | 9,4 | 11,8 |
| Distributed load | kN/m ² | 8,0 | 8,0 | 8,0 | 8,5 | 9,3 | 9,8 | 9,0 | 9,0 | 9,0 | 19,1 | 11,0 | 12,7 |
| Class according to EN 12825 | | 1/A | 1/A | 1/A | 2/A | 2/A | 3/A | 2/A | 3/A | 3/A | 4/A | 4/A | 5/A |

PANELS WITH LAMINATE AS TOP FINISHES

| Bottom finish | Aluminium | | | | | | | Steel sheet / Steel tray | | | | | |
|---|-------------------|-----|-----|-----|-----|------|------|--------------------------|-----|-----|------|------|------|
| | Type of structure | SAS | STQ | STS | STR | STO | STC | SAS | STQ | STS | STR | STO | STC |
| Concentrated load - center of the side | kN | 1,3 | 1,5 | 1,6 | 1,9 | 2,0 | 2,8 | 2,0 | 2,1 | 2,2 | 2,2 | 2,4 | 3,1 |
| Concentrated load - center of the panel | kN | 1,9 | 1,9 | 2,0 | 2,3 | 2,4 | 2,5 | 2,2 | 2,2 | 2,3 | 2,5 | 2,6 | 2,9 |
| Ultimate load | kN | 8,9 | 8,9 | 9,0 | 9,2 | 9,5 | 12,8 | 9,2 | 9,2 | 9,3 | 9,8 | 10,0 | 13,0 |
| Distributed load | kN/m ² | 9,0 | 8,9 | 9,0 | 9,5 | 10,0 | 13,0 | 9,5 | 9,5 | 9,5 | 10,7 | 11,1 | 12,9 |
| Class according to 12825 | | 3/A | 4/A | 4/A | 4/A | 5/A | 6/A | 4/A | 4/A | 4/A | 4/A | 5/A | 6/A |

PANELS WITH GRES AS TOP FINISHES

| Bottom finish | Aluminium | | | | | | | Steel sheet / Steel tray | | | | | |
|---|-------------------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|
| | Type of structure | SAS | STQ | STS | STR | STO | STC | SAS | STQ | STS | STR | STO | STC |
| Concentrated load - center of the side | kN | 2,0 | 2,3 | 2,4 | 2,6 | 2,6 | 3,0 | 2,2 | 2,8 | 2,9 | 3,0 | 3,0 | 3,2 |
| Concentrated load - center of the panel | kN | 2,2 | 2,2 | 2,3 | 2,3 | 2,4 | 2,6 | 2,7 | 2,7 | 2,8 | 2,8 | 2,9 | 3,1 |
| Ultimate load | kN | 7,0 | 7,3 | 7,5 | 8,2 | 8,4 | 14,0 | 9,0 | 9,8 | 10,0 | 12,0 | 12,5 | 15,0 |
| Distributed load | kN/m ² | 16,0 | 16,0 | 16,0 | 19,5 | 19,5 | 20,5 | 18,0 | 18,0 | 18,0 | 21,0 | 21,0 | 22,0 |
| Class according to EN 12825 | | 2/A | 2/A | 2/A | 3/A | | 6/A | 4/A | 5/A | 5/A | 6/A | 6/A | 6/A |

The concentrated and distributed loads refer to a 2,5 mm deflection. Deformations major than 1 mm may cause the ceramic to crack.

*1 kN = 102 kg