

FALSE FLOOR SYSTEM PERFATEN ATLANT ECO



Areas of application:

- Office premises ;
- Computation and data centers;
- Hotel complexes;
- Research departments;
- High-tech productions;
- Exhibitions and conference halls.

Board upper coating:

- steel sheet 0.5 mm (ST)
- alu foil 0.05 mm (AL)
- vinyl coating (PVC)
- linoleum
- laminate (HPL)
- needled coatings
- parquet boards

Board base: high-density chip boards

- density 680 kg/m³
- density 650 kg/m³
- density 620 kg/m³

Board lower coating:

- alu foil 0.05 mm (AL)
- steel sheet 0.5 mm (ST)

Board edging

- PVC 0.5 mm

Technical specifications and load-bearing capacity of boards (Standard EN 12825):

Board	Density, kg / m ²	Thickness, mm	Weight, kg	Load class	Useful load, N	Load to failure, N	Load distributed per N/mm ²	Standard floor height, mm	Flammability class
For 600 x 600 mm boards, with AL lower and upper coating (alu foil 0.05 mm) and PVC upper coating									
ECO 38 AL/AL	680	38	9.5	2A	3000	≥ 6 000	≥ 12 000	75-1000	G3
ECO 38 ПBX/AL	680	40	10.5	2A	3000	≥ 6 000	≥ 12 000	75-1000	G3
ECO 38 AL/AL	650	38	9.1	1A	2000	≥ 4 000	≥ 8 000	75-1000	G3
ECO 38 ПBX/AL	650	40	10.1	1A	2000	≥ 4 000	≥ 8 000	75-1000	G3
ECO 38 AL-AL	620	38	8.7	1C	2000	≥ 4 000	≥ 8 000	75-1000	G3
ECO 38 ПBX/AL	620	40	9.7	1C	2000	≥ 4 000	≥ 8 000	75-1000	G3
For 600 x 600 mm boards, with ST lower coating (steel sheet 0.5 mm)									
ECO 38 AL/ST	680	38.5	10.5	2A	3500	≥ 7000	≥ 14000	75-1000	G3
ECO 38 AL/ST	650	38.5	10.1	1A	2500	≥ 5000	≥ 10000	75-1000	G3
ECO 38 ПBX/ST	650	40.5	11	1A	2500	≥ 5000	≥ 10000	75-1000	G3
ECO 30 AL/ST	680	30.5	8.5	1B	2500	≥ 5000	≥ 10000	75-1000	G3
ECO 38 AL/ST	620	38.5	9.7	1B	2300	≥ 2600	≥ 9200	75-1000	G3
ECO 38 ПBX/ST	620	40.5	10.6	1B	2300	≥ 2600	≥ 9200	75-1000	G3
For 600 x 600 mm boards, with ST upper coating (steel sheet 0.5 mm)									
ECO 38 ST/AL	650	38.5	10.1	1A	2000	≥ 4000	≥ 8000	75-1000	G1
ECO 30 ST/AL	650	30.5	8.5	1A	2000	≥ 4000	≥ 8000	75-1000	G1

* Boards 600 x 600 mm have been tested, safety factor to make 2

Table of mechanical and physical properties of the material

Deviations permissible:		
Board side length	mm	±0,2
Board perpendicularity	mm	±0,3
Board side linearity, horizontally	mm	±0,3
Board thickness	mm	±0,3
Board twisting	mm	0,5
Board vertical distortion	mm	0,3
Other parameters		
Content of formaldehyde	Emission class	E1
Humidity	%	5-13%

