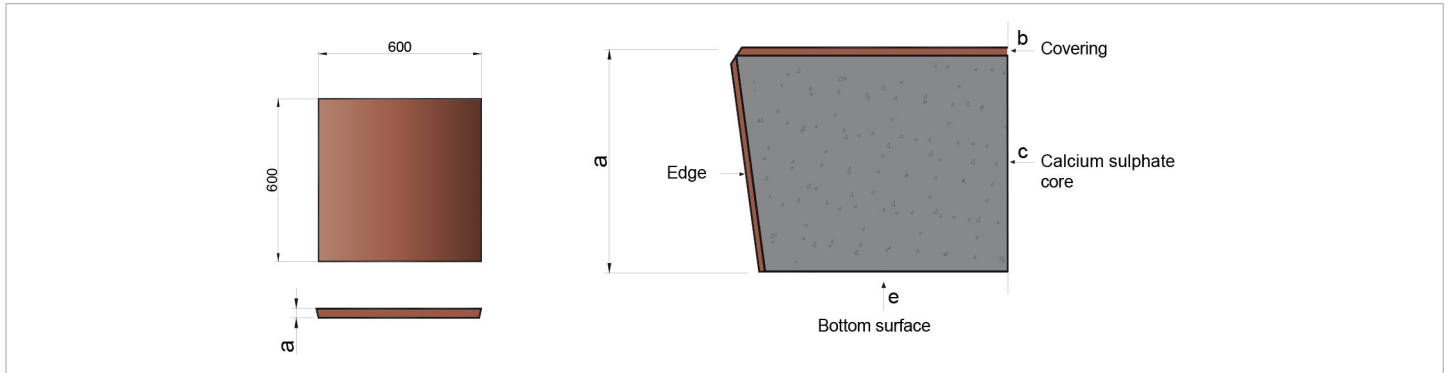


Panels
PG3A0/M/B

Covering: Bare
Core: Inert Material

- Core made of high density calcium sulphate and organic fibres, 34 mm thick, primed on both upper and bottom surfaces.
- It is also available with aluminium foil 0.05 mm thick on bottom surface (PG3AM), or on both upper and bottom surface (PG3AB0).
- Self-extinguishing and antisqueak ABS edge trim, 0,6 mm thick.



TECHNICAL DATA

TOP SURFACE	Nominal dimension (mm)				Weight each kg	Fire resistance EN 13501-2	Fire reaction EN 13501-1	Core fire reaction EN 13501-1	Electrical resistance ⁽¹⁾ Ω	Acoustic: ISO 10842-2 dB ⁽²⁾		Conductivity λ (core/cover) W/m °C
	a	b	c	e						Dn,f,w	Ln, f,w	
Various	~34-36	~0-4	30	0-0,05	~19	REI 30	Bfl-S1	A1	≤2x10 ¹⁰	dB 50	dB 64	0.41

(1) Value for panel with antistatic coverings. For conductive coverings consider $1.5 \times 10^5 \div 1 \times 10^7$. For other coverings please ask Nesite staff.

(2) Value for panel without finish

MECHANICAL CHARACTERISTICS (Deflection ≤2.5 mm; Safety Factor ≥2)

Specification	SUBSTRUCTURE									
	CONCENTRATED LOAD kN ⁽²⁾					DISTRIBUTED LOAD kN/m ² ⁽³⁾				
	MPS	MPL	MPM/SSH	MPH	BPC	MPS	MPL	MPM/SSH	MPH	BPC
Working load ⁽⁵⁾	3.50	4.00	4.30	4.60	5.00	23.00	26.00	29.00	33.00	36.00
Ultimate load kN ⁽⁴⁾	7.00	8.00	8.50	9.50	10.50					
EN 12825	2A2	3A2	3A2	4A2	4A2					

(2) Load valid at any point of the system.

(3) Not provided by EN 12825.

(4) Ultimate load at the failure moment (tensile strength).

(5) When the applied load is equivalent to to the working load the measured deflection must not exceed the value declared in accordance with the prospectus.

For Finished Floor Height FFH higher than 750 mm, please verify the real operating condition of the System.

MPS= without stringers, **MPL**= light stringers, **MPM/SSH**= medium stringers, **MPH/BPC**= high resistance special stringers

Legend standard EN 12825

Class	1	2	3	4	5	6
Ultimate load kN	≥ 4	≥ 6	≥ 8	≥ 9	≥ 10	≥ 12

Prospectus 1

DEFLECTION CLASS

A=2.5 mm

B=3.0 mm

C=4.0 mm

SAFETY FACTOR

2

3



FIELDS OF APPLICATION:

Offices, EDPs, control rooms, technical rooms with medium/high load bearing requirements and any room with particular fire resistance rate.



APPLICATION NOTES:

Suitable for homogeneous vinyl, rubber, linoleum, plastic laminate, carpet and loose lay covering material (PG3A00-PG3AB0).

DESCRIPTION

Substructure MPL is available in 3 basic configurations:

- 1- With nominal heights from 35 to 90 mm (low configuration with round tube and bushing);
- 2- With nominal heights from 100 to 400 mm (standard configuration with square tube);
- 3- With nominal heights from 410 to 1000 mm (standard configuration with round tube).

Pedestal with low configuration

BASE: galvanized square steel plate 80x80, with stiffening ribs, with 4 holes Ø 8.5 mm in case of fastening to the slab. The plate is coupled with a tube Ø 20 mm where a galvanized steel threaded bushing type M16 is inserted. Within it the head's threaded rod runs to allow the height adjustment.

HEAD: galvanized square steel plate 80x80 mm suitably shaped in order to obtain the snap engagement for stringers and gaskets. Provided with stiffening ribs that also assure suitable supports for any stringer and panels. The head plate is coupled to the threaded rod type M16 that runs on the base's bushing. The height locking can be obtained by applying a few drops of thread-locking glue.



Standard pedestal with square tube

BASE: galvanized square steel plate 80x80, with stiffening ribs, with 4 holes Ø 8.5 mm in case of fastening to the slab. The plate is coupled with the galvanized steel square tube 20x20 mm with internal stiffening ribs, guide for the head's threaded rod and centesimal internal calibration to reduce the free-play between the components. Two anti-unscrewing notches that interact with the head's nut constitute the height adjustment locking system.



Standard pedestal with round tube

BASE: galvanized square steel plate 80x80, with stiffening ribs, with 4 holes Ø 8.5 mm in case of fastening to the slab. The plate is coupled with a tube Ø 20 mm. One anti-unscrewing notches that interacts with the head's nut constitutes the height adjustment locking system.



HEAD for standard pedestals: galvanized square steel plate 80x80 mm suitably shaped in order to obtain the snap engagement for stringers and gaskets. Provided with stiffening ribs that also assure suitable supports for any stringer and panels. The head plate is coupled to the threaded rod type M16 screwed with the nut for adjusting- and height -locking.



Components in common

HEAD GASKETS: antistatic thermoplastic material (on request also conductive available) with 4 notches on the part below for the snap-fit with the head and 4 naps on the part above to facilitate the positioning of the panels. On request the gaskets are also available without top naps to be used along the perimeter and in combination with tongue&groove floor panels.



STRINGER L: U-profile galvanized steel stringer 0.9 mm thick, 18 mm height, 25 mm width, with reinforcement ribs and 2 hooked teeth at the ends that allow a rigid snap-fit with the head. It can also be fixed by means of self-tapping or trilobed screws.



STRINGER GASKETS: C-shaped antistatic thermoplastic material, on request also conductive available, 1 mm thick, black colour.



FIXING SCREW: available on request, galvanized steel self-tapping Ø 4,2 mm x 13 mm.



FIELD OF APPLICATION:

Offices, EDPs, control rooms, laboratories and any other industrial application with light/medium load requirements.



APPLICATION NOTES:

- A regular subfloor is necessary;
- We recommend to glue the base to the slab for heights > 600 mm;
- Possible grounding by means of connections every 30 m², with stringers fastened with screws

TOTAL WEIGHT

MPL 4.2 kg/m ²	H = 200 mm	Extra-weight for every further cm of height : 0.028 Kg / m ²
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PEDESTAL AXIAL LOAD (Safety factor ≥ 2)

H mm	110	200	300	400	500	600	700	800	900	990
kN	16.00	16.00	14.50	13.50	12.50	11.50	10.00	8.00	6.00	4.00



Low pedestal



Standard pedestal with square tube for heights from 100 to 400 mm



Standard pedestal with round tube for heights from 410 to 1000 mm

DESCRIPTION	REF.	MATERIAL	PIECE PER m ²
Base	1	Galvanized steel	3.3
Square or round tube	2	Galvanized steel	3.3
Nut M 16	3	Galvanized steel	3.3
Head	4	Galvanized steel	3.3
Head gasket	5	Antistatic polypropylene (conductive on demand)	3.3
MPL stringer	6	Galvanized steel	5.7
Stringer gasket	7	Polyethylene	5.7

