POLYGROUP

TECHNICAL DATA

GAMAFLOR FULL STEEL LIGHT

PRODUCT COMPOSITION

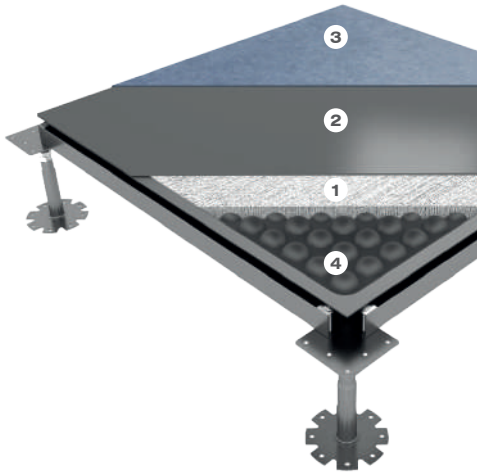
1 CORE
High density concrete of 34mm thickness
(1.250kg/m^3 ±10% according to international standard)

2 TOP COVERING
Smooth steel sheet of 0'70mm finished with an epoxy coating.

3 COVERING
Bare Panel or HPV vinyl, ESD Vinyl, Conductive Vinyl, Antistatic carpet, Linoleum, Rubber, others under requirement.

4 BOTTOM COVERING
Smooth steel sheet of 0'70mm thickness with 64 rounded embossments, electro-welded to the top covering steel sheet with an epoxy coating. Strengthened by a perimetral reinforced rib to obtain highest capacity.

DIMENSIONS
600 x 600 x 34 mm + top covering thickness.



GAMAFLOR SYSTEM

Ultimate load	kN	11,50
Concentrated load Max. flexion 2,5mm	kN	3,70
Classification EN 12825		5A31

(TESTED CENTER OF PANEL) TECHNICAL DATA ACCORDING TO REGULATION **EN 12825**

General Characteristics

Distributed load	kN/m^2	25,00	
Weight per panel	kg	14,15	
Weight per sqm Structure included HF 300mm WS	kg	41,35 WITHOUT STRINGER	43,20 WITH STRINGER
Conductivity EN 1815	Kw	<2 antistatic physiologic	
Electrical Resistance EN1081	Ω	>10^9	
Fire classification EN 13501-1:2002		A1	
Inflammability EN ISO 11925-2:2002		No combustion or ignition	
Flame spread EN ISO 9239-1:2002		Ø	
Thermal Conductivity BSEN12825:2001		0,326 [w/(m·k)]	

Regulation EN 12825

Position 1. Element class

	1	2	3	4	5	6
Last admitted load KN Aprox. kg	≥ 4 400	≥ 6 600	≥ 8 800	≥ 9 900	≥ 10 1000	≥ 12 1200

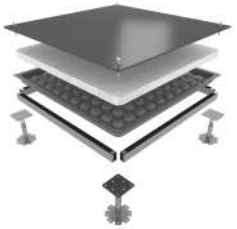
Position 2. Flexion class
A = 2,5 mm B = 3,0 mm C = 4,0 mm

Position 3. Safety class
2 / 3

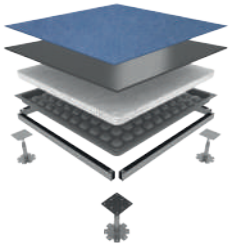
Position 4. Squareness class

	Long side	Squad	Thickness
CLASS 1	± 0,2 mm	± 0,3 mm	± 0,3 mm
CLASS 2	± 0,4 mm	± 0,5 mm	± 0,5 mm

DISPOSITION



Gamaflor Full Steel Light without covering



Gamaflor Full Steel Light with covering

FEATURES

LEED CERTIFICATION
Using this floor system contributes positively with the LEED Building Rating Systems requirements in order to achieve LEED certifications.

SEISMIC SAFETY
This floor system has anti seismic characteristics, guaranteeing the safety of its installation. We can provide seismic study under the ASCE 7-10 regulation.

SOUND PROOFING
The system has acquired acoustic values that improves the reduction of impact noise as well as acoustic absorption.

PRODUCTS CERTIFIED BY LABORATORIES

Polygroup reserves the right to make any changes in their product without prior notice.

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