

PRODUCT COMPOSITION
1 CORE

High density concrete of 34mm thickness
(1.250kg/m³ ±10% according to international standard)

2 TOP COVERING

Smooth steel sheet of 0'90mm finished with an epoxy coating.

3 COVERING

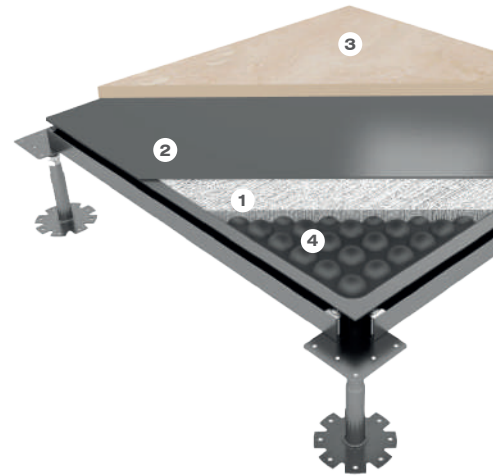
Porcelain of 10mm thickness, rectified and calibrated.

4 BOTTOM COVERING

Smooth steel sheet of 0'90mm 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.



Ultimate load	kN	>12
Concentrated load Max. flexion 2,5mm	kN	4,50
Classification EN 12825		6A31

TECHNICAL DATA ACCORDING TO REGULATION EN 12825

General Characteristics

Distributed load	kN/m ²	41,00
Weight per panel	kg	22,60
Weight per sqm Structure included HF 300mm WS	kg	66,74
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 BS EN12825:2001		0,326 [w/(m·k)]

Regulation EN 12825
Position 1. Element class

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

Position 2. Flexion class

A = 2,5 mm B = 3,0 mm C = 4,0 mm

Position 3. Safety class

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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


FEATURES

LEED CERTIFICATION

The use of this product contributes positively to obtain LEED credits.


SEISMIC SAFETY

This floor system has anti seismic properties, granting 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 improve 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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