

 POLYGROUP

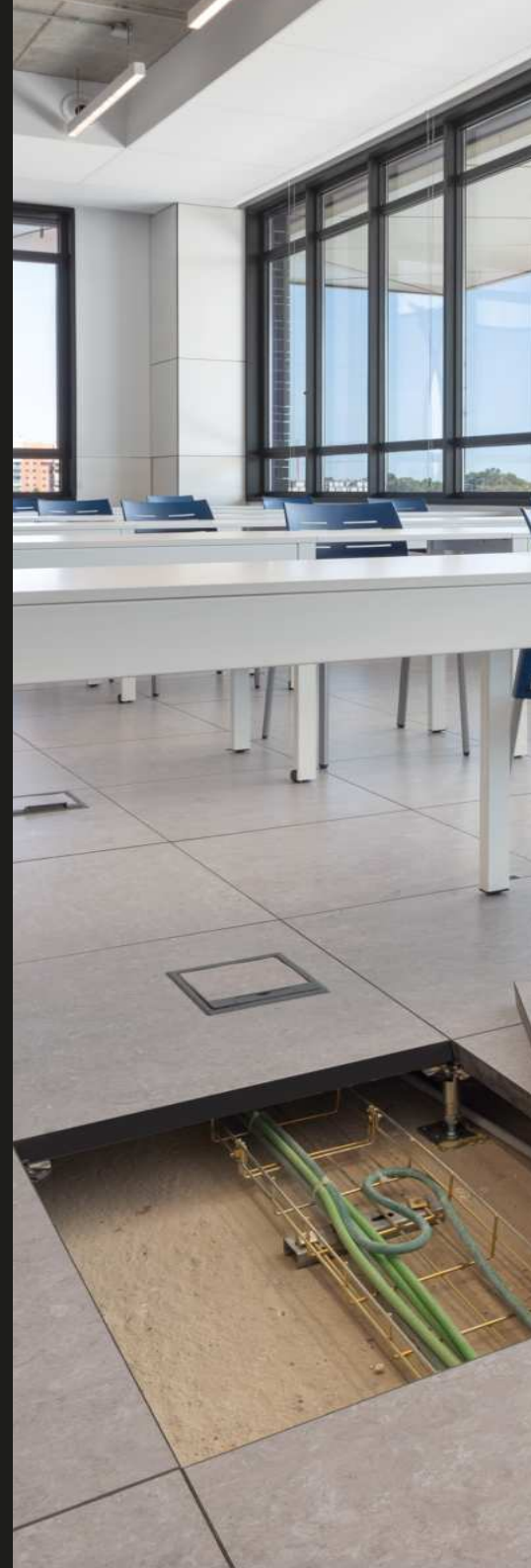
GAMAFLOR PAC / BANK

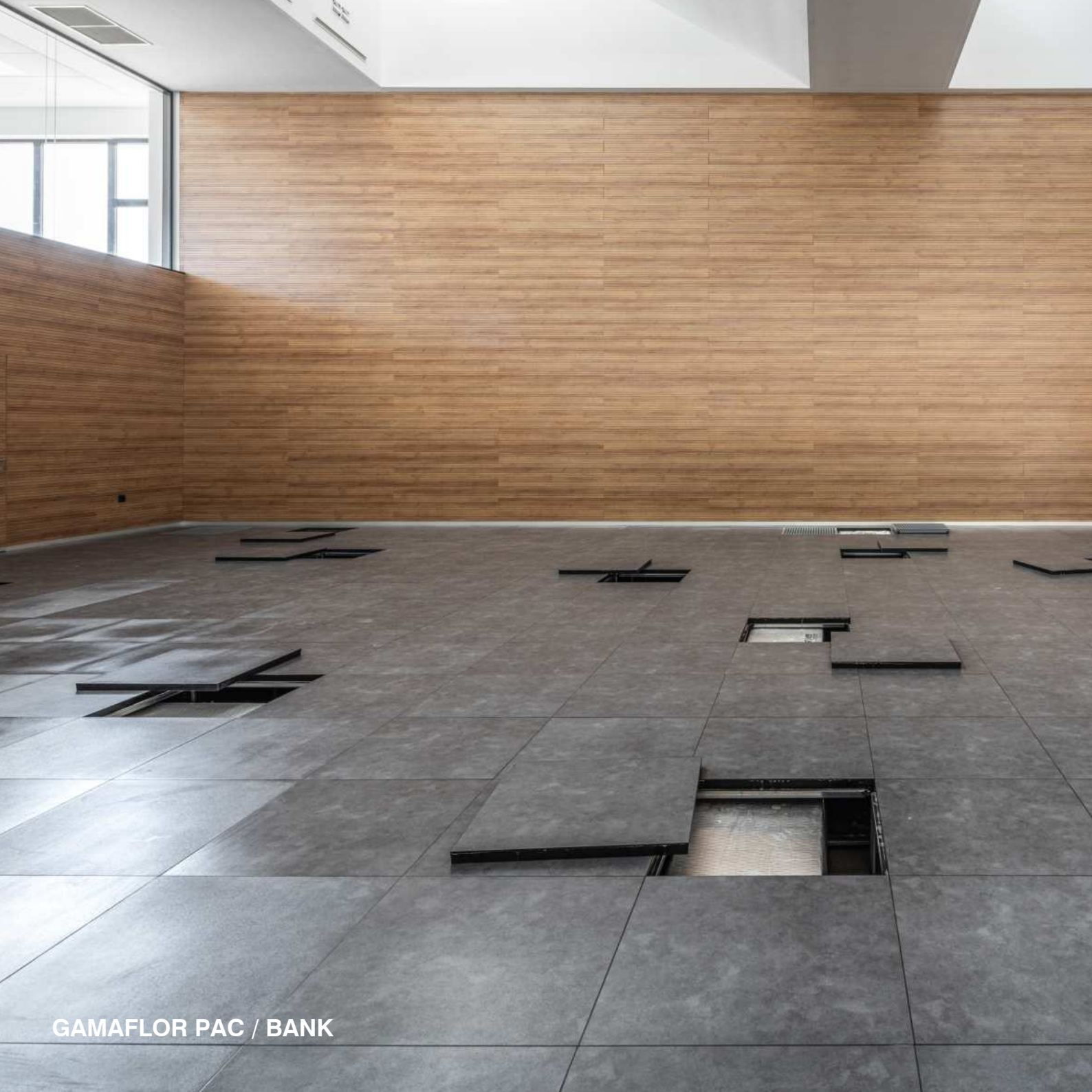


## POLYGROUP ACCESS FLOOR **GAMAFLOR PAC / BANK**

Founded in 1975, Polygroup has wide experience in the raised access floor sector, positioning us as a reference in the market. Throughout our history, we have expanded our global presence, and are currently present in projects all over the world. This extensive experience translates into access floor solutions of the highest quality such as the GAMAFLOR PAC / BANK systems.

These raised access floor systems are characterised by being some of the most versatile on the market. Maintaining technical specifications of high performance, they are easily adapted to any type of project. Complying with the current European UNE standards, as well as the American ASTM, GAMAFLOR PAC / BANK systems meet the most rigorous quality standards.



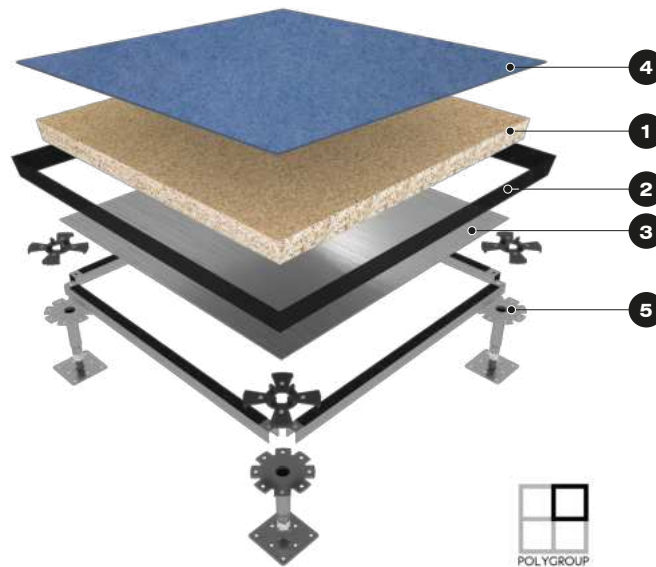


GAMAFLO PAC / BANK

# GAMAFLOR PAC / BANK

GAMAFLOR PAC / BANK raised access floor systems are versatile solutions that combine all the advantages of raised floors for modular construction and technological and tertiary buildings.

These systems are easily adapted to any project thanks to their cost/performance ratio and allow configurations based on the load and acoustic levels required.



## ① CORE

High-density particleboard compact (720 Kg/m<sup>3</sup> ;  $\pm$  10% in accordance with international standards) with a thickness of 30, 35 or 40 mm.

## ② EDGING

Self-extinguishing plastic material, 1.5 mm thick, standard black or colour of your choice.

## ③ BOTTOM SUPPORT

PAC System  
0.5 mm thick galvanised steel sheet.

BANK System  
0.5 mm thick galvanised steel tray.

## ④ TOP COVEREIGN

Synthetic or natural decorative flooring of your choice.

## ⑤ STRUCTURE

Solid steel structure consisting of height-adjustable pedestals and stringers.

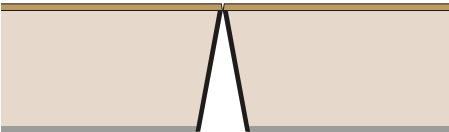




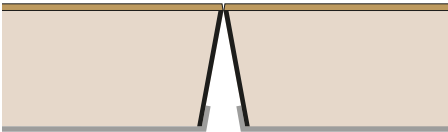
**GAMAFLO PAC / BANK SOVEREIGN**

# GAMAFLOR PAC / BANK SOVEREIGN

In a continuous effort to create more lively and versatile spaces than ever before, and influenced by current design trends, the new SOVEREIGN technology© has emerged as an additional unique complement, giving spaces a more innovative and highly aesthetic air, making the modularity of the elements of the system imperceptible.



Gamaflor PAC Sovereign



Gamaflor BANK Sovereign



New trends



Hidden edge



Different colours



continuous



itron

GAMAFLO PAC / BANK HEAVY SOVEREIGN



# GAMAFLOR PAC / BANK HEAVY SOVEREIGN

The raised access floor system GAMAFLOR PAC / BANK HEAVY SOVEREIGN© is especially recommended for high project requirements. In addition to maintaining all the properties of traditional GAMAFLOR PAC / BANK systems, the second layer of steel reinforcement provides a significant improvement in the face of static and dynamic loads, obtaining the maximum classification according to UNE-EN 12825:2002 Class 6A.



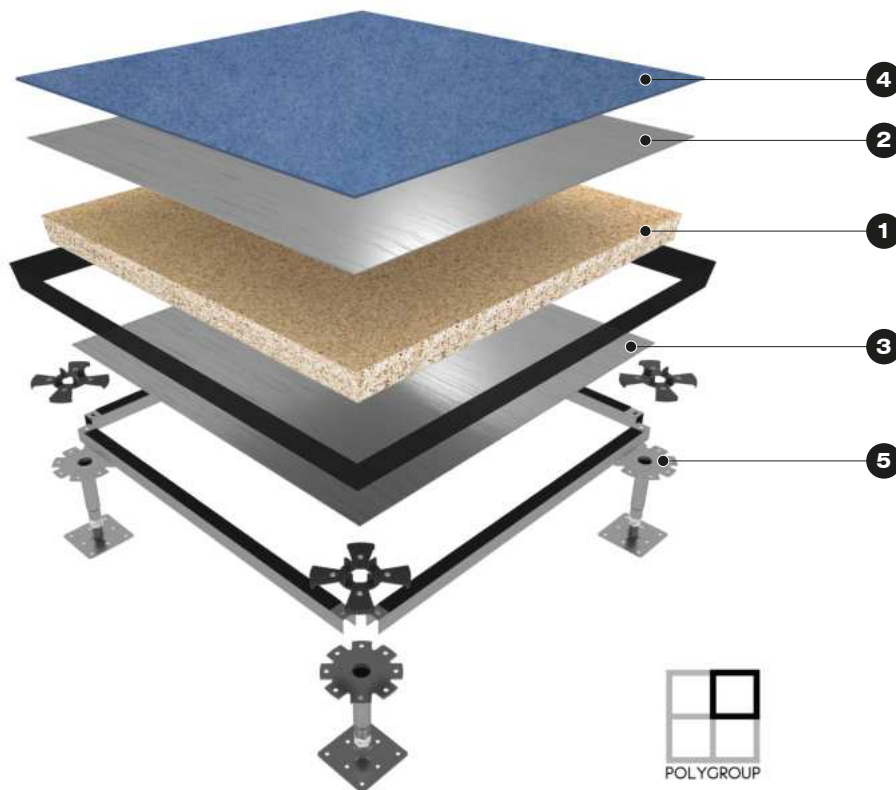
High loads



Hidden edge



Different colours



## ① CORE

High density particleboard compact (720 Kg/m<sup>3</sup>;  $\pm$  10% in accordance with international standards) with a thickness of 30, 35 or 40 mm.

## ② UPPER REINFORCEMENT

Galvanised steel sheet 0.5 mm thick.

## ③ BOTTOM SUPPORT

**PAC System**  
0.5mm thick galvanised steel sheet.

**BANK System**  
0.5mm thick galvanised steel tray.

## ④ TOP COVEREIGN

Synthetic or natural decorative flooring of your choice.

## ⑤ STRUCTURE

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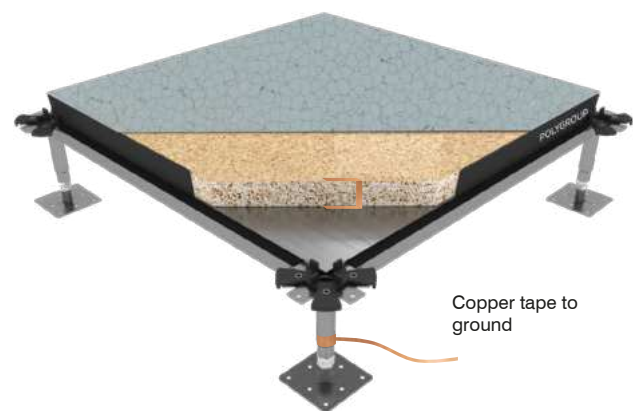


**GAMAFLO PAC / BANK CONDUCTIVE**

# GAMAFLOR PAC / BANK CONDUCTIVE

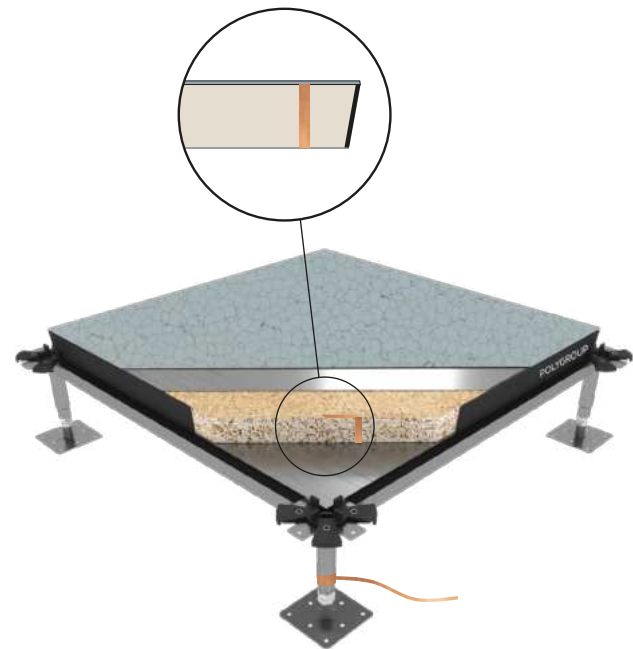
GAMAFLOR PAC / BANK CONDUCTIVE raised access floor systems have been specially designed to improve electrostatic charges in the space and protect electronic components by helping to conduct free electrostatic electricity found in the environment.

These systems are made up of specific technical coverings which, together with conductive elements such as copper, help to divert these charges through the earthing system.



Gamaflor PAC Conductive

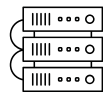
UNE-EN 1081	UNE-EN 13501-1:2002	UNE-EN 1815
Conductive system	Fire rating	Electrostatic Discharge System



Gamaflor PAC Heavy Conductive



Low electrical resistance



Recommended Data Center



Electrostatic conduction



Different colours



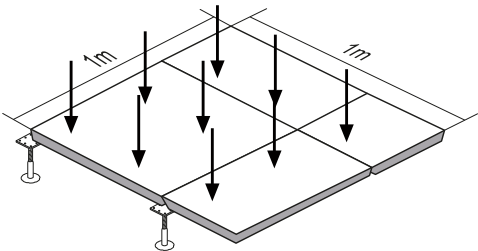
## RAISED ACCESS FLOOR

### **GAMAFLOR PAC / BANK** **TECHNICAL INFORMATION**

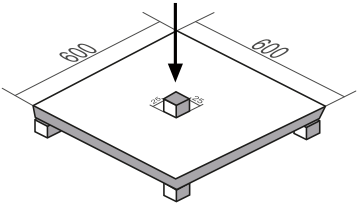
At POLYGROUP we are aware of the importance of complying with industry requirements, and our solutions are based on European and American standards. All our different solutions are certified by means of tests under the UNE-EN 12825:2002 (Classification), UNE-EN 13501 (Fire), UNE-EN ISO 10848 (Acoustics) and ASTM-CISCA standards, among others.

		Gamaflor PAC / BANK	Gamaflor PAC / BANK SOVEREIGN	Gamaflor PAC / BANK HEAVY SOVEREIGN	Gamaflor PAC / BANK CONDUCTIVE	Gamaflor PAC / BANK HEAVY CONDUCTIVE
Dimensions	(mm)	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600
Core thickness	(mm)	30 35 40	30 35 40	30 35 40	30 35 40	30 35 40
Steel thickness	(mm)	0'5 1'0	0'5 1'0	0'5 1'0	0'5 1'0	0'5 1'0
Panel weight *	(kg)	9'20 – 11'80	9'20 – 11'80	10'65 – 13'25	9'20 – 11'80	10'65 – 13'25
Fire resistance <small>UNE-EN 13501-1:2002</small>		Bfl-s1	Bfl-s1	Bfl-s1	Bfl-s1	Bfl-s1
Distributed load	(kN/m²)	20 – 35	20 – 35	30 – 40	20 – 35	30 – 40
Max. Point load <small>UNE-EN 12825</small>	(kN)	14 – 18	14 – 18	18 – 22	14 – 18	18 – 22
Electrical resistance	(Ω)	≥ 10 <sup>9</sup>	≥ 10 <sup>9</sup>	≥ 10 <sup>9</sup>	2'5 x 10 <sup>4</sup> – 10 <sup>7</sup>	2'5 x 10 <sup>4</sup> – 10 <sup>7</sup>
Concentrated load <small>UNE-EN 12825</small>	(kN)	3'5 – 5'5	3'5 – 5'5	4'0 – 7'0	3'5 – 5'5	4'0 – 7'0

\*Without covering



Distributed Load



Point Load



Acoustic Properties



Fire Rating



# GAMAFLOR TH / VF

The GAMAFLOR TH / VF structure consists of galvanised steel pedestals and stringers fixed together as a complete system where each part plays a key role in the proper functioning of the whole.

The structure has been designed to ensure the stability of the raised floor, as well as its elevation and accessibility.

## 1 PANEL PAC / BANK

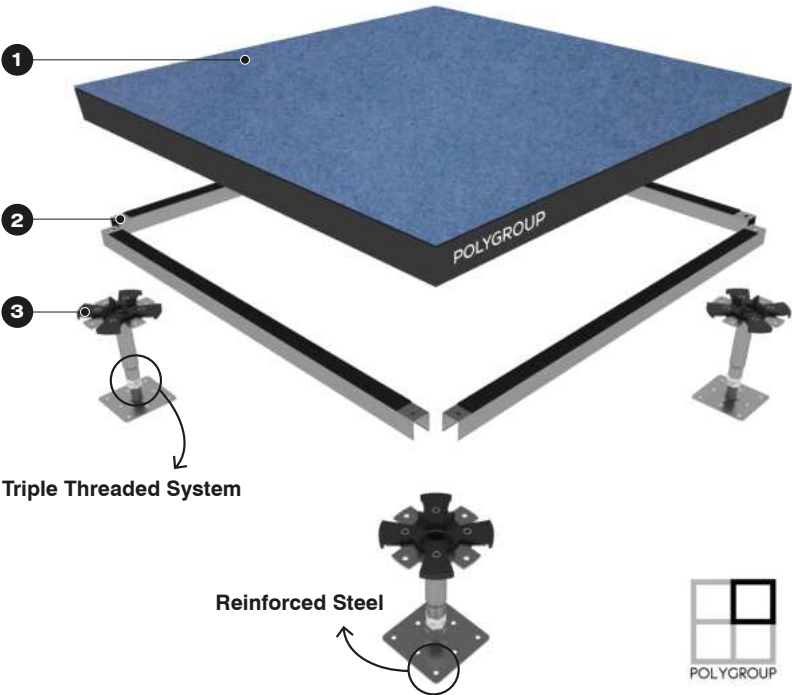
Access floor panels in any of the available formats and coverings.

## 2 STRINGER T-525

Made of 1mm thick galvanised steel, these are attached to the pedestal by means of a clip system to ensure their stability.

## 3 PEDESTAL TH / VF

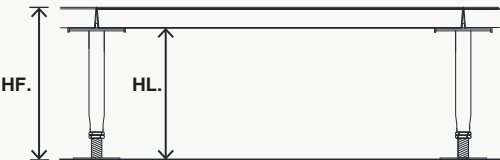
Made of steel, these are made up of two threaded parts that allow adjustment of the height and are secured with a double locking nut.



### Range of heights

	HL. MIN	HL. MAX
TH 35 / VF 55	55	80
TH 55 / VF 55	75	100
TH 80 / VF 55	100	125
TH 80 / VF 120	120	190
TH 170 / VF 120	190	280
TH 170 / VF 260	260	415
TH 390 / VF 260	410	635
TH 390 / VF 390	410	765
TH 390 / VF 450	450	825
TH 600 / VF 260	620	845
TH 600 / VF 390	620	970
TH 600 / VF 450	620	1000

Other configurations as per requirement.



HF: Final Height

HL: Free Height

# GAMAFLOR STRUCTURES

## PEDESTAL

GAMAFLOR STRUCTURE	
Steel thickness	2.5 / 3.0 (mm)
Metric threaded rod (DIN-975)	M-18
Vertical load in the middle	9.000 kg (90 kN)
Lateral axial load	125 kg (1.25 kN)
Electric resistance	2.0 Ω
Melting temperature	1400-1500 °C
Reaction to fire (UNE-EN 13501-1:2007)	A1
Corrosion protection	Galvanised

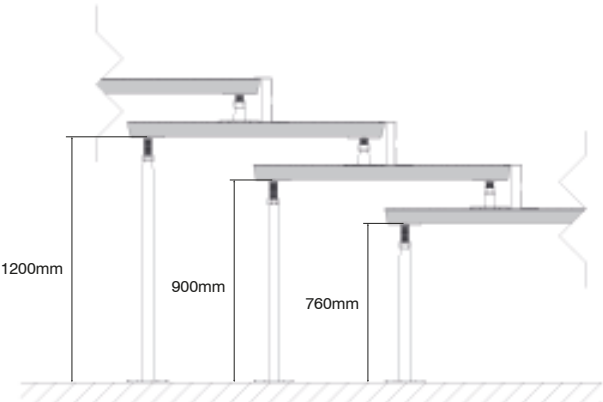
## STRINGER T-525

Steel thickness	1.0 mm
Clipped system with anti-vibration rubber gasket	

We also have raised access floor systems designed for heights over 1m, ideal for auditoriums and amphitheatres.

## GAMAFLOR BTH

The GAMAFLOR BTH structure maintains the same technical specifications as the traditional structure, increasing the robustness of each pedestal by increasing the dimensions of its base (100x100mm).



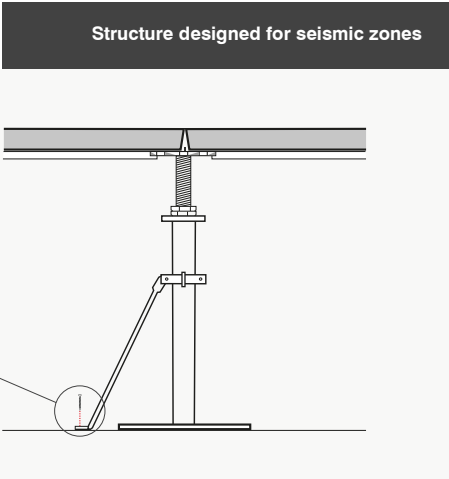
# GAMAFLOR ATH

The GAMAFLOR ATH structure has been specially designed to comply with the strictest height and strength requirements. This structure maintains the same properties as a traditional structure and also guarantees its performance in extreme conditions, arising from height, seismic activity, lateral forces and high loads.

**Application: heights between 800 mm and 2000 mm. Above 2000 mm under study.**



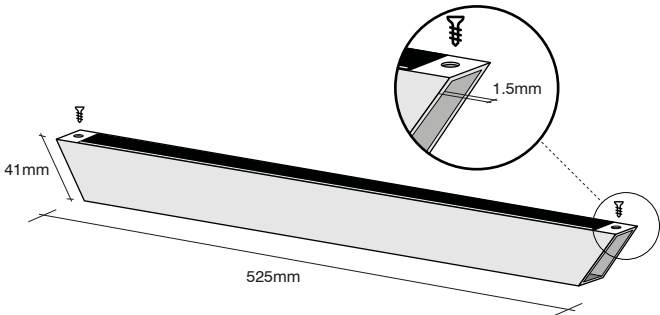
**ANCHORING SYSTEM**  
Mechanical fixing through screwing to the base slab. Possibility of anchoring one or two tensioners.



# GAMAFLOR RF HEAVY

The GAMAFLOR TH / RF HEAVY structure is specially designed to provide additional load resistance compared to that provided by the traditional system, favouring greater

stability when bolted (pedestal-stringer), the RF525 stringer has a larger cross-section and steel thickness.



**RF Heavy Stringer**

# ACCESSORIES

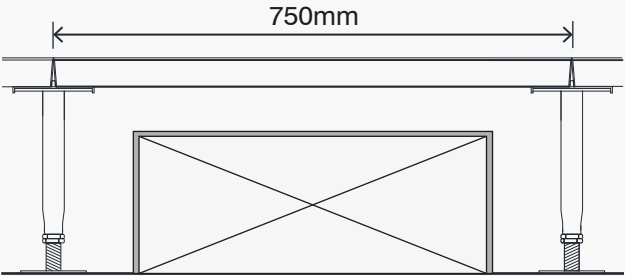
POLYGROUP offers customers a wide range of accessories for GAMAFLOR PAC / BANK raised access floors, to allow them to choose complete systems or provide specific functions for different spaces.

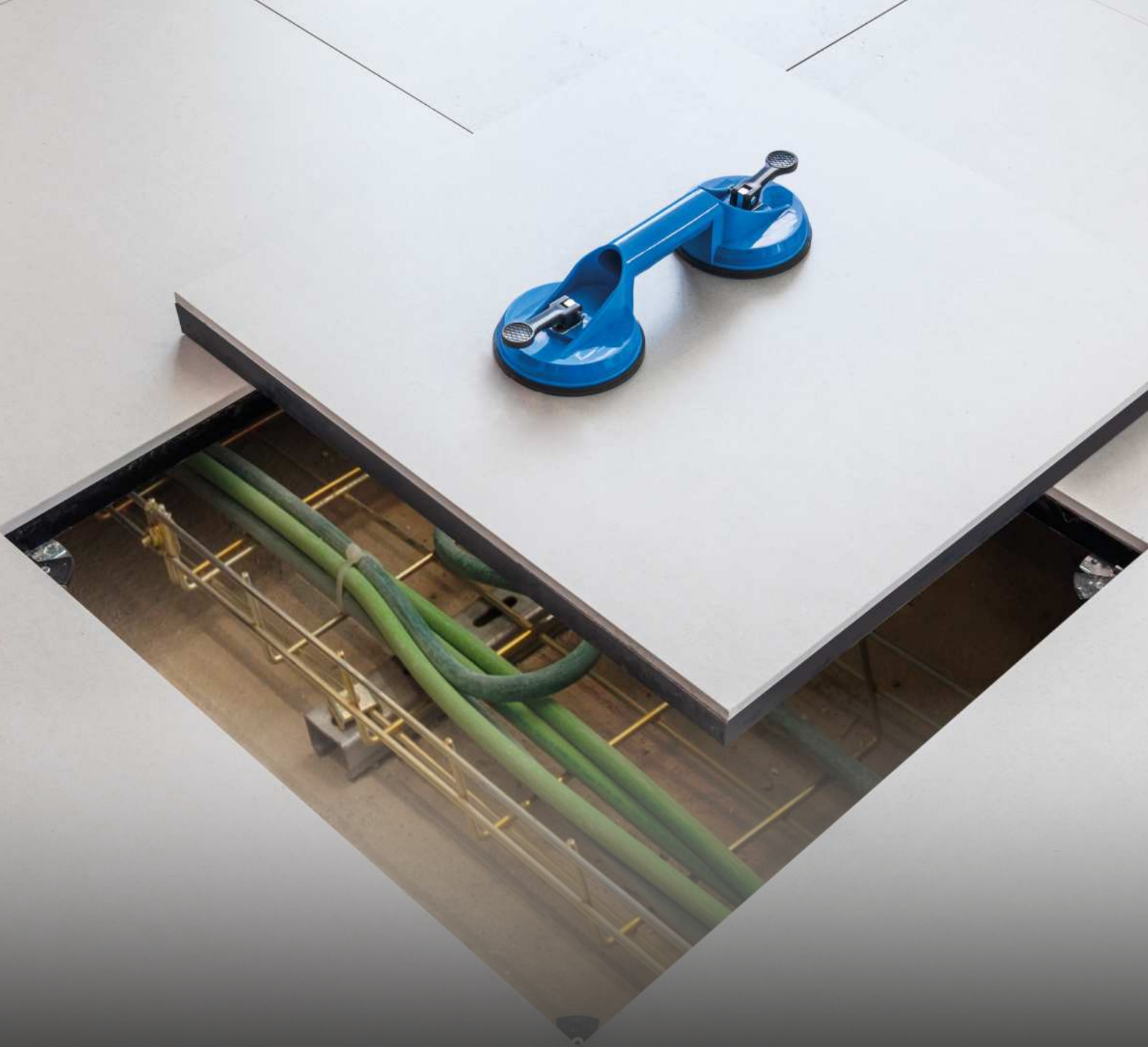
Ramps	Partition wall	Skirting boards
Air diffusers	Electrical boxes	Suction cups for panels
Cable grommets	Steps	



# SPECIAL MEASURES

The GAMAFLOR PAC / BANK system can be manufactured in special sizes of **750x750mm (other sizes on request)** to meet specific design needs, such as the positioning of ducts in the plenum box that exceed the standard dimensions.





**GAMAFLO PAC / BANK COVERINGS**



# COVERINGS

The different coverings of the GMAFLOR PAC / BANK raised access floor systems meet the specific needs of each building, both aesthetically and in terms of performance. They provide the system with 100% accessibility and facilitate the maintenance and use of the raised floor systems. A wide variety of factory-finished coverings can be found on the panels.

High-pressure vinyl / HPV Lider

Conductive vinyl / Conductile Super-Or

High pressure laminate HPL

Natural wood

Ceramic

Granite

Rubber

Carpet

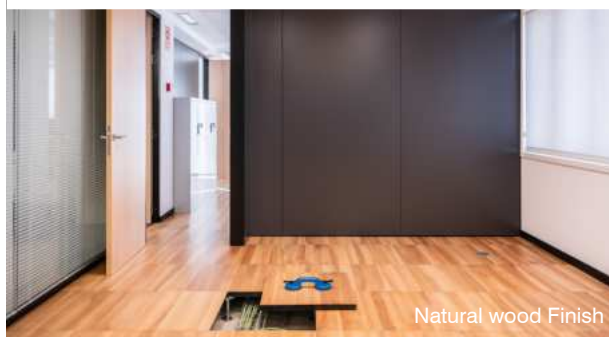
Stainless steel

Linoleum

Possibility of other coverings  
according to project  
requirements.



HPV lider Finish



Natural wood Finish



Carpet Finish

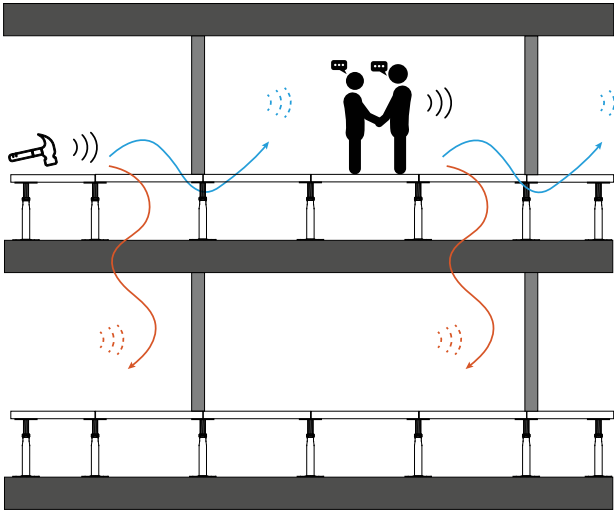
# ACOUSTICS

GAMAFLOR PAC / BANK systems comply with all acoustic requirements regulated by UNE-EN ISO 10140-2:2011, UNE-EN ISO 10140-1:2016, 10140-3:2011 and UNE-EN ISO 10848-2:2007 with respect to the transmission of airborne and impact sound, **reducing emissions thanks to the raised floor system and the use of the most appropriate flooring.**

## Acoustic values (100Hz to 5000Hz)

GAMAFLOR PAC / BANK

Lateral airborne noise	$D_{nfw}$	43dB – 48dB
Side impact noise	$L_{nfw}$	62dB – 67dB
Vertical air noise	$R_w$	54dB – 60dB
Vertical impact noise	$L_{nrw}$	55dB – 60dB



Acoustic properties

## FCorrection factors from 100Hz to 5000Hz

Depending on the covering used, the acoustic values obtain performance improvements

It is possible to obtain an acoustic improvement in the impact noise of 2dB by using an SBR foil under the lifting structure.

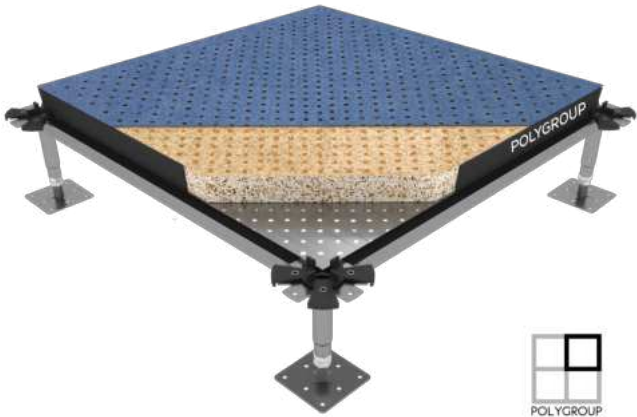


# PERFORATED AND MICRO-PERFORATED PANELS

## Technology and aesthetics united.

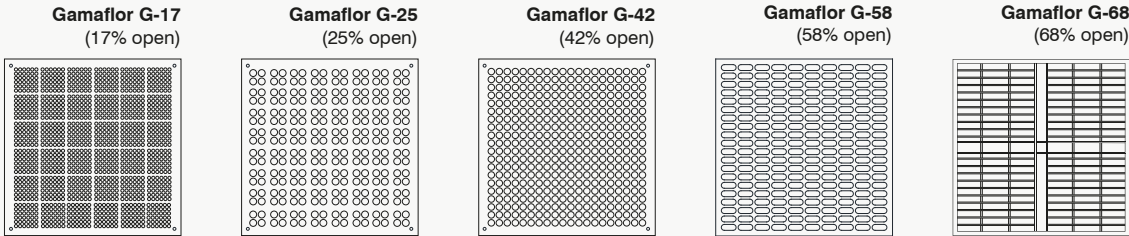
Our access floor systems with perforated and micro-perforated panels offer the possibility of manufacture with different opening percentages to transform them into specific ventilation points. Thanks to the perfect balance between aesthetics and technology, they can also be applied with our U.F.A.D. technology systems.

This modality requires a study of the project needs, for which our technical-commercial team will advise and offer the best available option.



Micro-perforated PAC panel 5%

We also have a range of perforated panels made of steel with the possibility of including flow regulators to make the area more energy-efficient:





# LEED CERTIFICATIONS

At Polygroup we maintain a high interest in all advances in the field of sustainability, such as the path to more efficient construction proposed by the LEED-V4 standard or the use of recycled raw materials in our manufacturing process. In this way, we adapt our access floor systems in order to offer our customers as many credits as possible and thus help to gain points in obtaining energy certifications in the projects.



U.S. GREEN BUILDING COUNCIL MEMBERSHIP



LEED CERTIFICATION



FOREST STEWARDSHIP COUNCIL (FSC)



## VOC EMISSION

French CMR components	Pass
Italian CAM Edilizia	Pass
ABG/AgBB	Pass
Belgian Regulation	Pass
Indoor Air Comfort®	Pass
Indoor Air Comfort GOLD®	Pass
Formaldehyde Emission Class <sup>§</sup>	E1
BREEAM International	Exemplary Level
LEED v4.1 BETA (outside U.S.)	Pass
BREEAM® NOR	Pass



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