

RAISED ACCESS FLOOR SOLUTIONS



ABOUT US

“As the Dora Plus Family, we provide services in the fields of project, design and construction contracting. The company has made a difference in the sector in a short time by gathering its founding partners, nearly 20 years of experience in different countries and sectors under the umbrella of Dora Plus.

We aimed to use our international experience in the construction sector in the design and production of innovative and environmentally friendly building components.

We continue our investments under the roof of Dora Plus Yapı Sanayi with the Dora Floor Covering Systems brand and contribute to the country’s industry and national export targets. In this context, Dora Floor Decking Systems produces environmentally friendly and recyclable high-quality export products in the field of raised floor coverings and our R & D activities are continuing.

Upgraded flooring products, which are the patented and registered product of Dora Floor Flooring Systems.



Bekir AKGÜL
Architect

CONTENT

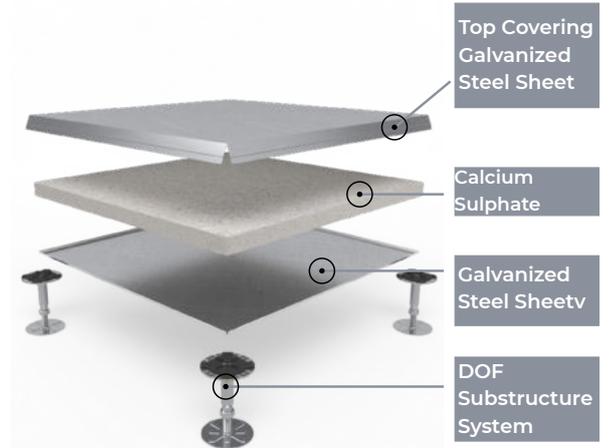
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Encapsulated Calcium Sulphate Core Panels

DFC01

CLASS 1

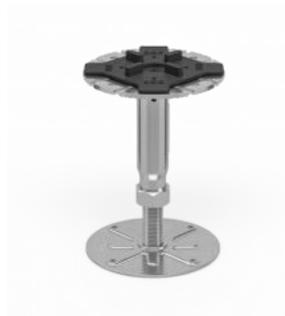
"Encapsulated panels are produced by covering galvanized steel on the bottom, top and edges. With the joint system we have developed it provides durability and long life by wrapping the panel at the maximum level. The panels relatively easy to install and provides flexibility for future office arrangement. It provides convenient space for electrical cables, data cables, fire installations, ventilation ducts and sockets. Thanks to its modular structure, any renovation or change can be made easily. It offers architects freedom in design as it allows carpet tile and LVT application. Calcium sulphate core encapsulated panels have 60 minutes fire resistance and are in A1 class."



Substructure System

“DOF”
Raised Floor Substructure Systems

We recommend our seismic pedestal systems for height finishing floor above h>600 mm.



Stringers

Recommended for additional lateral stability in the following applications:
200<h<600mm void heights: clip-on stringer system

>600mm void height: screw-down stringer system



Corner Lock System

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.



Panels

Thickness:	30mm
Weight:	~ 14-15 kg
Panel Size:	600mm x 600mm x 30mm
Core Material:	29mm calcium sulphate core

System Performance

Ultimate Load:	in excess of 13.350N
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Panel Fire Performance

Reaction:	A1 Class according to EN 13501-1
Resistance:	REI90r

System Sound Performance

Airborne Insulation $D_{n,f,w}$ (C;Ctr):	45 dB
Impact Insulation $L_{n,f,w}$ (CI):	66 dB

What are the advantages of calcium sulphate panels?

High strength and load capacity
High resistance to water and humidity
Superior physical and mechanical properties
Excellent acoustic values
Environmentally friendly and recyclable
Production in accordance with EN 12825 standards
A1 class fire resistance

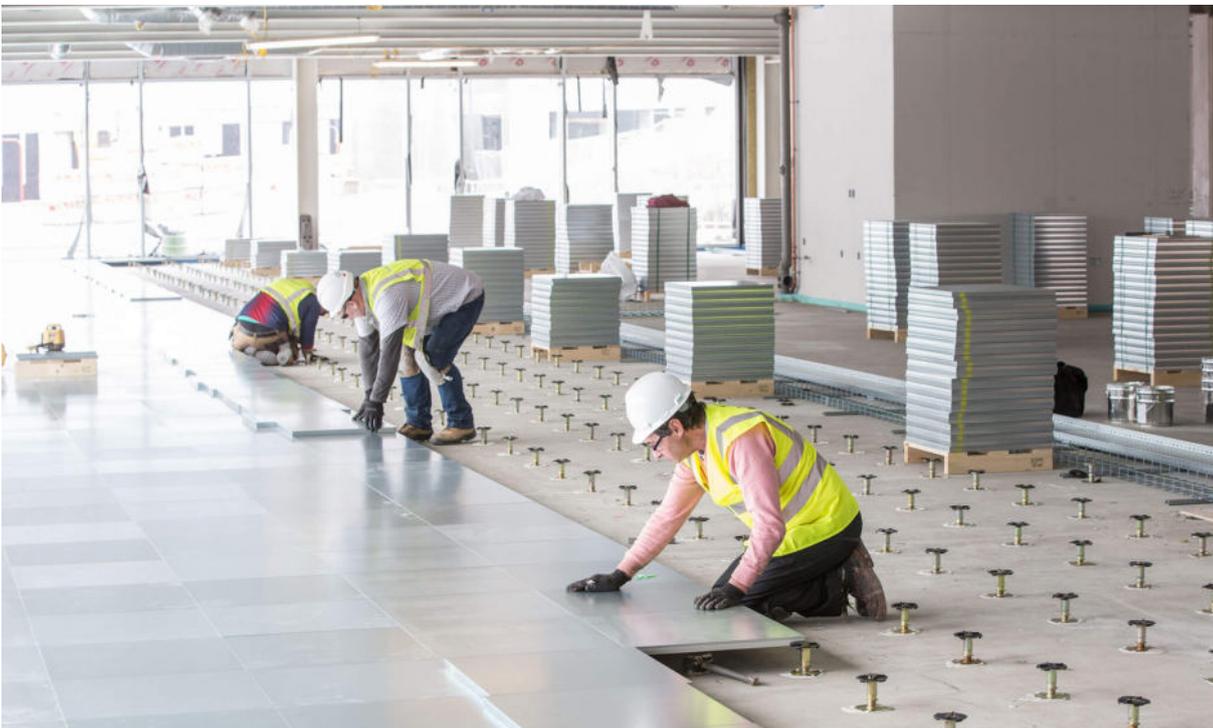
Load Carrying Capacity

Type	Concentrated Load (deflection=2mm)			Impact-Load (N)	Ultimate Load (N)	Uniform Load (N/m ²)	Flat-ness (mm)	Vertical (mm)
	lb	N	kg					
DF-C02/H	≥1250	≥5560	≥560	670	16680	33000	≤0.6	≤0.3
DF-C02/P	≥1250	≥5560	≥560	670	16680	33000		

Encapsulated Calcium Sulphate Core Panels

DFC01

CLASS 1

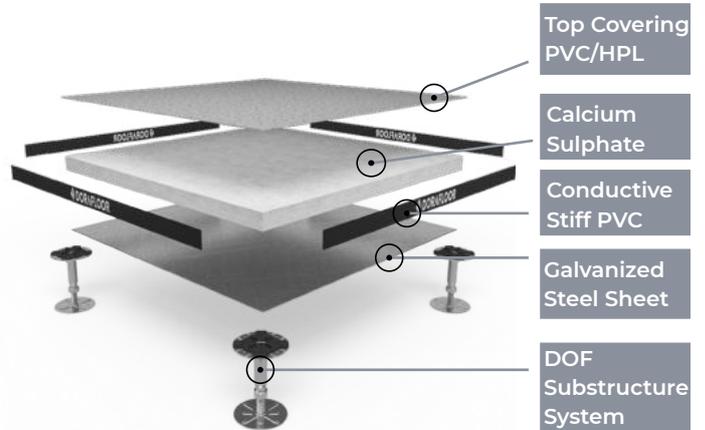


PVC/HPL Covered Calcium Core Panels

DFC02/P/H

CLASS 1

"PVC/HPL covered calcium sulphate core panels are produced with top PVC or HPL covering, bottom galvanized steel with PVC edges. Since it is produced A1 class fire resistance material it is used in project which fire resistance is required, technical spaces such as LV/MV rooms and data centers. Our panels produced according to EN 12825 standard. Panels have antistatic feature and suitable for use in buildings with a green buildings certificate."



Substructure System



We recommend our seismic pedestal systems for height finishing floor above h>600 mm.



Panels

Thickness:	30mm
Weight:	~ 17-18 kg
Panel Size:	600mm x 600mm x 30mm
Core Material:	29mm calcium sulphate core

System Performance

Ultimate Load:	in excess of 13.350N
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Stringers

Recommended for additional lateral stability in the following applications:
200<h<600mm void heights: clip-on stringer system



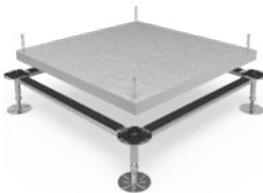
>600mm void height: screw-down stringer system

Panel Fire Performance

Reaction:	A1 Class according to EN 13501-1
Resistance:	REI90r

Corner Lock System

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.



System Sound Performance

Airborne Insulation Dn,f,w (C;Ctr):	45 dB
Impact Insulation Ln,f,w(CI):	66 dB

Load Carrying Capacity

Type	Concentrated Load (deflection=2mm)			Im- pact- Load (N)	Ulti- mate Load (N)	Uniform Load (N/m²)	Flat- ness mm	Verti- cal mm
	lb	N	kg					
DF-C02/H/P-A	≥800	≥3550	≥360	670	10700	17000	≤0.2	≤0.2
DF-C02/H/P-B	≥1000	≥4450	≥450	670	13350	23000		

What are the advantages of calcium sulphate panels?

High strength and load capacity
High resistance to water and humidity
Superior physical and mechanical properties
Excellent acoustic values
Environmentally friendly and recyclable
Production in accordance with EN 12825 standards
A1 class fire resistance

PVC/HPL Covered Calcium Core Panels

DFC02/P/H
CLASS 1

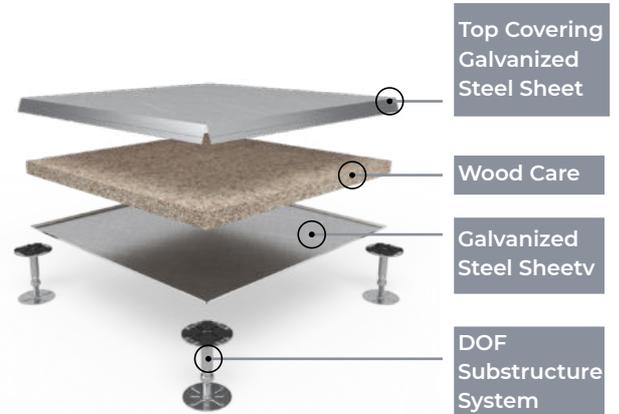


Encapsulated Wood Core Panels

DFW01

CLASS 1

"Encapsulated panels are produced by covering galvanized steel on the bottom, upper and edges. With the joint system we have developed it provides durability and long life by wrapping the panels at the maximum level. The panels relatively easy to install and provides flexibility for future office arrangement. The provides convenient space for electrical cables, data cables, fire installations, ventilation ducts and sockets. Thanks to its modular structure, any renovation or change can be made easily. It offers architects freedom in design as it allows carpet tile and LVT application. Our chip-board core encapsulated panels have B1 class fire reaction."



Substructure System

“DOF”
Raised Floor Substructure Systems

We recommend our seismic pedestal systems for height finishing floor above $h > 600$ mm.

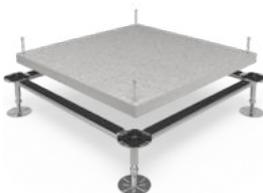


Stringers

Recommended for additional lateral stability in the following applications:
200 < h < 600mm void heights: clip-on stringer system



>600mm void height: screw-down stringer system



Corner Lock System

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.

Load Carrying Capacity

Type	Concentrated	Impact-Load	Ultimate Load	Uniform Load	Rolling Load	
	(N)	(N)	(N)	(N/m ²)	10 Passes (N)	10000 Passes (N)
DFW01	≥3550	538	≥10700	≥17000	3560	2670

Panels

Thickness:	30mm
Weight:	~ 8-9 kg
Panel Size:	600mm x 600mm x 30mm
Core Material:	29mm chipboard

System Performance

Ultimate Load: in excess of 10.700N

Panel Fire Performance

Reaction:	B1 Class according to EN 13501-1
Resistance:	REI60r

System Sound Performance

Airborne Insulation $D_{n,f,w}$ (C;Ctr):	45 dB
Impact Insulation $L_{n,f,w}(CI)$:	66 dB

What are the advantages of wood core panels?

A light and environmental product
Double resistance
Increased load capacity with special joint system
Increased mechanical resistance with galvanized steel
Production in accordance with EN 12825 standards
Anti-static, impact sound reduction
B1 class fire resistance

Encapsulated Wood Core Panels

DFW01

CLASS 1

Wood Core Panels

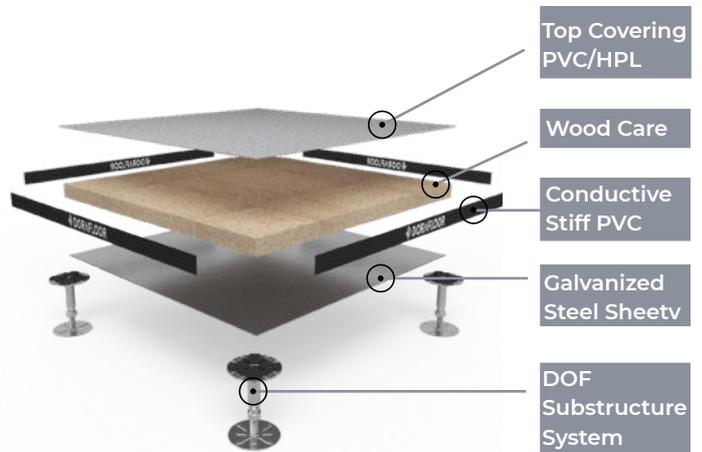


PVC/HPL Covered Wood Core Panels

DFW02/P/H

CLASS 1

"PVC/HPL covered wood core panels are produced with top PVC or HPL covering, bottom galvanized steel with PVC edges. Panels have B1 class fire reaction. It is used in technical spaces such as LV/MV rooms. It is preferred because light and economical panels are produced according to EN 12825 standard. Panels have antistatic feature and suitable for use in buildings with a green buildings certificate."



Substructure System



We recommend our seismic pedestal systems for height finishing floor above h>600 mm.



Stringers

Recommended for additional lateral stability in the following applications:
200<h<600mm void heights: clip-on stringer system



>600mm void height: screw-down stringer system

Corner Lock System

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.



Panels

Thickness:	30mm
Weight:	~ 6.2 kg
Panel Size:	600mm x 600mm x 30mm
Core Material:	29mm chipboard

System Performance

Ultimate Load:	in excess of 10.700N
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Panel Fire Performance

Reaction:	B1 Class according to EN 13501-1
Resistance:	REI60r

System Sound Performance

Airborne Insulation $D_{n,f,w}$ (C;Ctr):	45 dB
Impact Insulation $L_{n,f,w}(CI)$:	66 dB

What are the advantages of wood core panels?

A light and environmental product
Double resistance
Increased load capacity with special joint system
Increased mechanical resistance with galvanized steel
Production in accordance with EN 12825 standards
Anti-static, impact sound reduction
B1 class fire resistance

Load Carrying Capacity

Type	Concentrated	Impact-Load	Ultimate Load	Uniform Load	Rolling Load	
	(N)	(N)	(N)	(N/m ²)	10 Passes (N)	10000 Passes (N)
DFW02/H	≥2950	445	≥8850	≥12500	2948	2356
DFW02/P	≥2950	445	≥8850	≥12500	2948	2356

PVC/HPL Covered Wood Core Panels

DFW02/P/H

CLASS 1

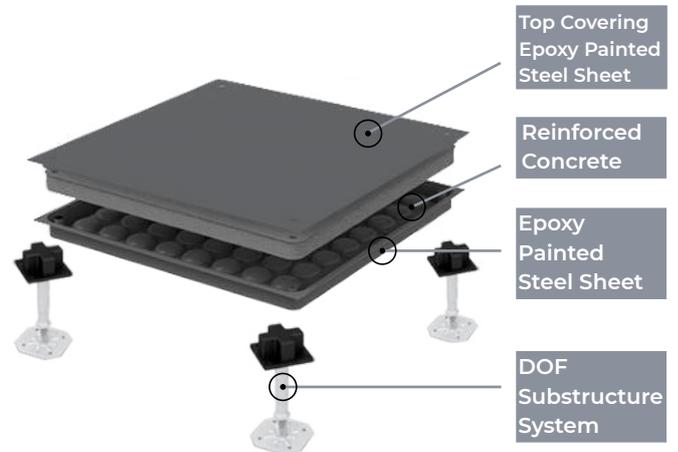


Bare Steel Epoxy Coated Panels

DFB01

CLASS 1

"Dora Floor steel bare raised access panels are an environmentally friendly product that does not contain toxic and chemicals. Strong in carrying capacity and good in fire prevention and corrosion resistance due to all-steel combination and compression molding forming. It is produced by filing the middle with fiber-reinforced concrete. Panel covering can be PVC or HPL. Our concrete core panels are non-combustible according to BS 476-4 standard. It is an ideal product for sound insulation thanks to its core panel structure. Preferred in 5A smart office buildings. Suitable for floor covering such as LVT and carpet tiles."



Substructure System

“DOF”
Raised Floor Substructure Systems

We recommend our seismic pedestal systems for height finishing floor above $h > 600$ mm.



Stringers

Recommended for additional lateral stability in the following applications:

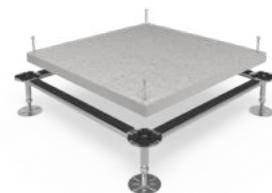
200 <math>h < 600\text{mm}</math> void heights: clip-on stringer system

>600mm void height: screw-down stringer system



Corner Lock System

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still allowing full access.



Panels

Thickness:	33mm
Weight:	~ 17-18 kg
Panel Size:	600mm x 600mm x 33mm
Core Material:	30mm fiber reinforced concrete

System Performance

Ultimate Load:	8.850N-13.350N
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Panel Fire Performance

Reaction:	A1 Class according to EN 13501-1
Resistance:	REI90r

System Sound Performance

Airborne Insulation $D_{n,f,w}$ (C;Ctr):	45 dB
Impact Insulation $L_{n,f,w}$ (CI):	66 dB

Load Carrying Capacity

Type	Concentrated Load (deflection=2mm)			Impact-Load (N)	Ultimate Load (N)	Uniform Load (N/m ²)	Flatness (mm)	Vertical (mm)
	lb	N	kg					
DFB01	≥1250	≥5560	≥560	670	16680	33000	≤0.6	≤0.3
DFB02	≥680	≥2950	≥300	450	8850	12500	≤0.6	≤0.3
DFB03	≥800	≥3550	≥360	670	10700	17000	≤0.6	≤0.3
DFB04	≥1000	≥4450	≥450	670	13350	23000	≤0.6	≤0.3
DFB05	≥1250	≥5560	≥560	670	16680	33000	≤0.6	≤0.3
DFB06	≥1500	≥6670	≥680	670	20000	41250	≤0.6	≤0.3
DFB07	≥2000	≥8900	≥908	670	26700	49584	≤0.6	≤0.3

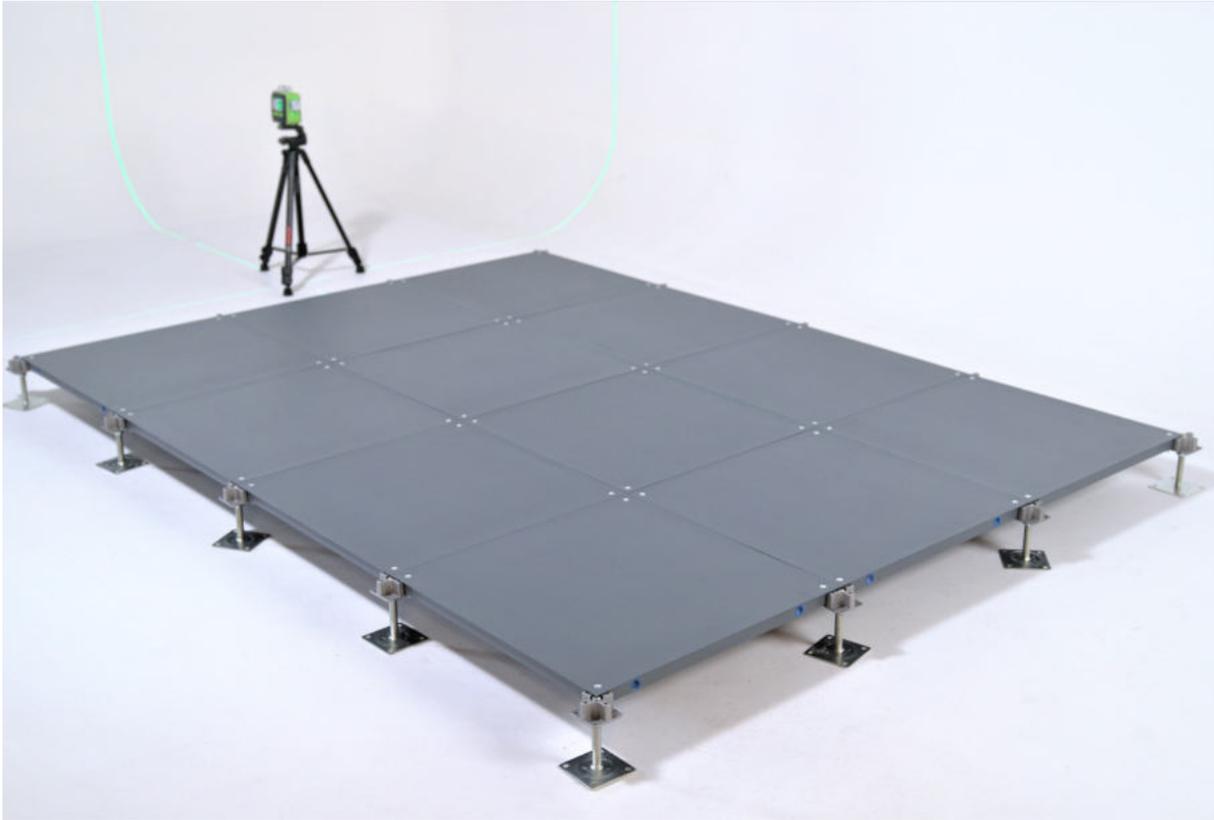
What are the advantages of concrete core panels?

- Economic, durable and long lifetime
- High loading capacity and mechanical strength for heavy traffic and heavy duty areas
- Anti-wear and corrosion coating with static epoxy
- Production in accordance with EN 12825 standards
- Anti-static, impact sound reduction
- A1 class fire resistance

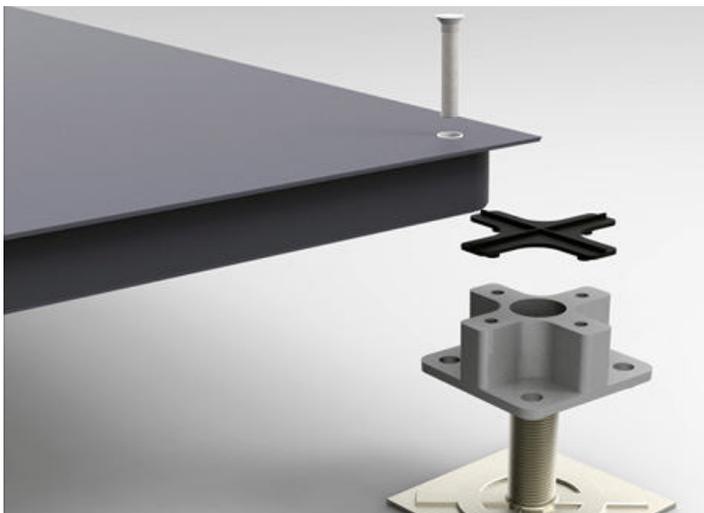
Bare Steel Epoxy Coated Panels

DFB01

CLASS 1



Bare Steel Epoxy
Coated Panels



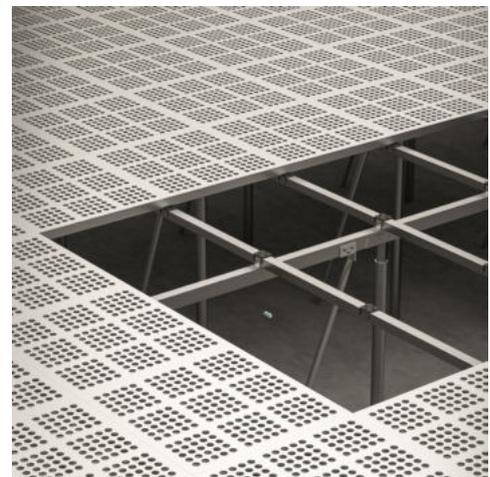
Aluminium Composite Panel

CLEAN ROOM COMPOSITE RAISED FLOOR

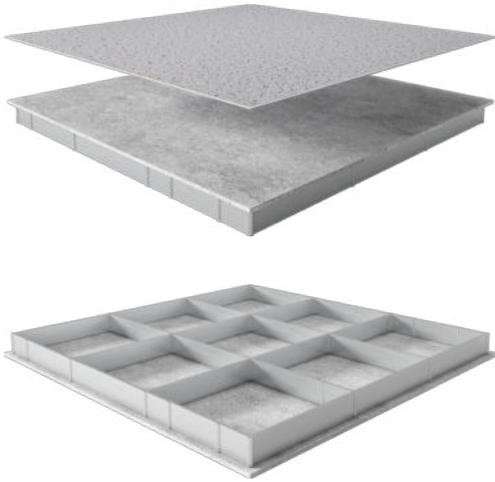
Perforated raised floors are often used in clean rooms, computer rooms, data centers, large high-end offices, and spaces that require good ventilation. The perforated raised floor is designed to provide excellent cooling to manage the heat load in mission-critical facilities. For applications in high-tech environments such as clean rooms, DORAFLOOR has developed special raised floors for cleanrooms. These cleanroom floors have a high load-bearing capacity, are guaranteed dust-free, dissipate static electricity and ensure optimal air distribution. Aluminum has the advantage that it is light and extremely strong material and can therefore carry a lot of weight. Thanks to several specific treatments, the aluminium floor is guaranteed to be dust-free.

Aluminum Composite Perforated and Solid Panels Characteristics

- 17%-43% ventilation rate
- Lightweight and excellent loading capacity
- Conductive and static dissipative coverings
- Contains no ferrous materials to disrupt magnetic fields
- Die cast aluminum panels meet call A1 fire rating
- Good performance of waterproof
- Pollution and radiation free
- Recyclable and economic system
- Various 'DOF' pedestals and structure system



Aluminium Composite Panel

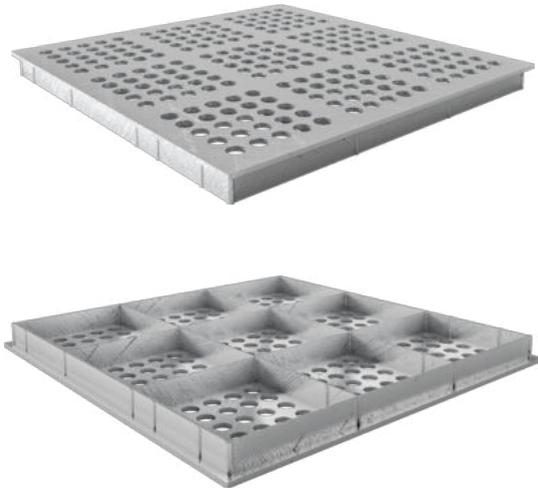


Aluminum Composite Solid Panels

- Lightweight, high-precision designs only achievable with aluminum die casting
- For 600x600x40mm size panels, customers can choose from different types depending on the conditions of use, such as the weight of equipment and devices being used in the room.
- Same-sized panels are interchangeable, enabling combined use according to the desired layout and placement of equipment within the clean room.

Aluminum Composite Perforated Panels

- Original design perforated panels that cater to high-precision clean room air conditioning needs
- Customers can choose from several types of perforated panels depending on the determined air-flow volume.
- For 600x600x40mm size panels, customers can choose from different types depending on the conditions of use, such as the weight of equipment and devices being used in the room.
- Same-sized panels are interchangeable, enabling combined use according to the desired layout and placement of equipment within the clean room.



Perforated Access Floor Panels provide superior cooling and ventilation for critical applications. Our vinyl coated raised panels come in Anti-Static or Conductive & Static Dissipative finishes as specified below.

Standart & Short Pedestals

“DOF”

Raised Floor Substructure Systems

WHY “DOF” ?

Benefits & Advantages of Our Raised Floor Support Pedestal

Low cost and superior quality, Easy installation and professional design, Strict delivery time control

01. Standart Pedestals DOF.ST



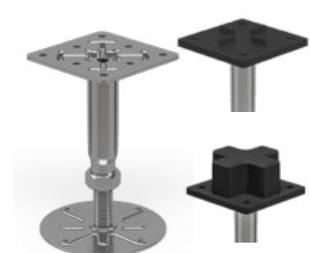
**Standart Pedestal
DOF.ST-01**

Encapsulated and PVC coated panel types pedestal. Floor finishing height $h > 600$ mm.



**Standart Pedestal
DOF.ST-02**

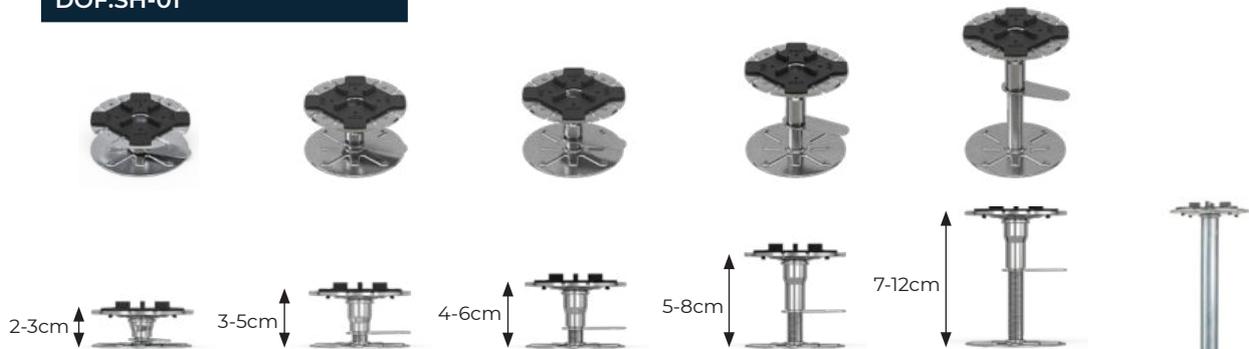
Bare steel panel and epoxy coated, pvc/hpl coated bare steel panel types pedestal. Floor finishing height $h < 600$ mm.



**Flexible Pedestal
DOF.FX-01**

Flexible pedestal type adaptable to different panel types.

02. Short Pedestal DOF.SH-01



It allows the application of raised flooring on floors with low height. Floor finishing height $50\text{mm} < h < 100\text{mm}$.

Stringer



A stringer system is used for raised floor systems with a height of 20 cm and above.

Seismic Pedestals

“DOF” Raised Floor Substructure Systems

03. Seismic Pedestals

Substructure systems designed to against seismic ground motion at non-standard heights.

Seismic Pedestal DOF.SS-01

It is designed according to a load carrying capacity of 5 tons / m2.



Seismic Pedestal DOF.SS-02

It is designed according to a load carrying capacity of 5 tons / m2.



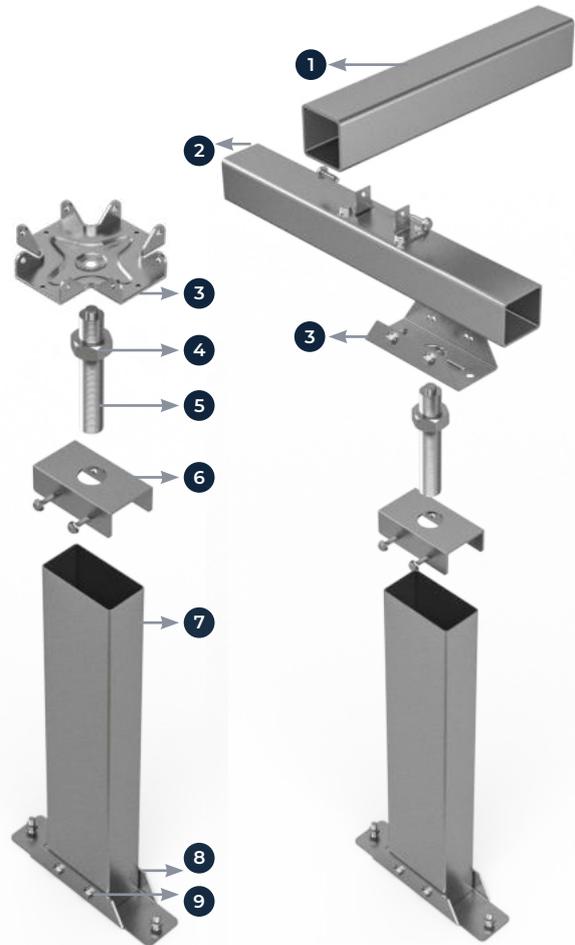
Seismic Pedestal DOF.SS-03

It is designed according to a load carrying capacity of 5 tons / m2.



Seismic Pedestal DOF.SS-04

It is designed according to a load carrying capacity of 5 tons / m2.



- 1 Galvanized Steel Beam 40x40x2mm
- 2 Galvanized Steel Beam 40x40x2mm
- 3 Galvanized Steel Top Base, thickness 3mm
- 4 Galvanized Steel M18 Nut
- 5 Galvanized Steel M18x160 rod
- 6 Top Cap, thickness 3mm, 80x48x3mm
- 7 Galvanized Steel Pedestal, 40x80x2mm Siesmic Pedestal
- 8 Galvanized Steel Lower Base, thickness 3mm
- 9 Galvanized Steel Screw, 4,8x16mm

Support

A support is used to increase the system's resistance against seismic loads for raised floor systems with a height of 60 cm and above.



Pedestals and Accessories

Data Center, Server Rooms Floor Solutions

Server Rooms Floor Solutions

Data centers are the meeting at computer servers and network equipment in one place for collecting, protecting, and distributing all data of enterprises. Today it is can be described as business mind. These facilities are vital for corporations and private businesses.

Building and structure systems (ventilation, refrigeration, fire extinguishing and cable management systems) must be prepared in accordance with technical conditions for data centers to work properly. For the uninterrupted and efficient operation of instruction systems, it can be provided with suitable building components that will meet all flexible needs. At this point, Dora Floor raised access floor systems meet all your needs.



Raised Access Floor Systems Advantage

Flexible Cooling Solutions

Dora Floor provides the ideal space for a range of cooling solutions for direct air distribution to air or cooled water cables.

High Load Carrying Capacity

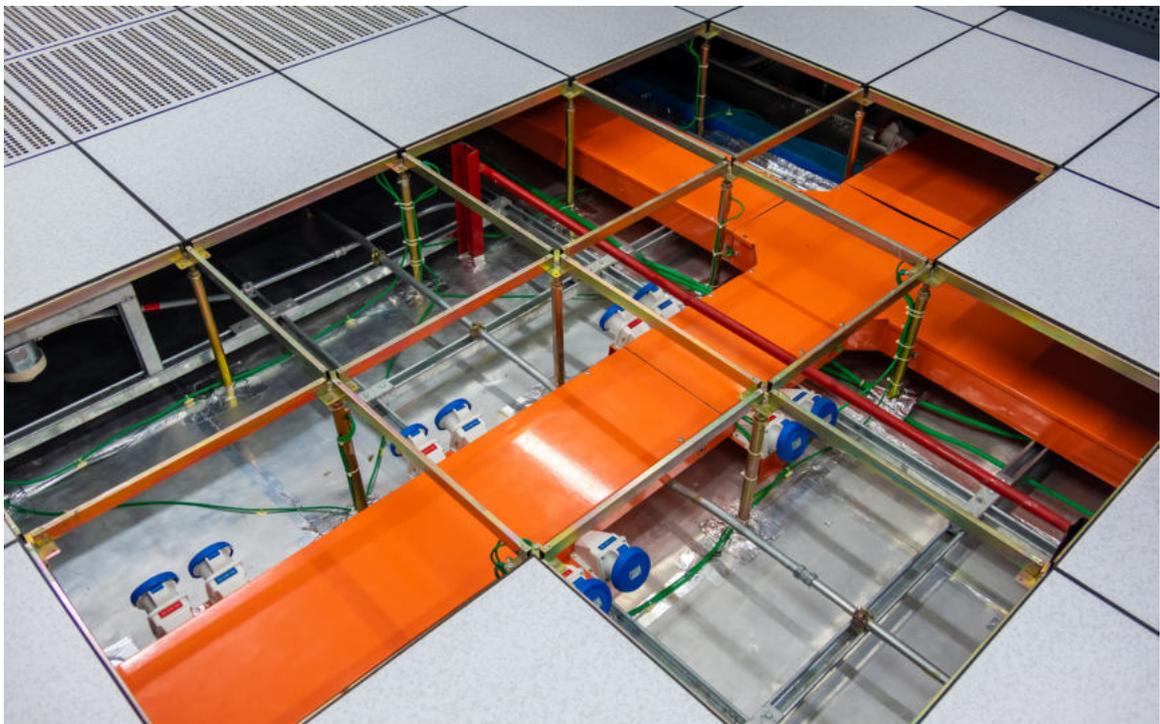
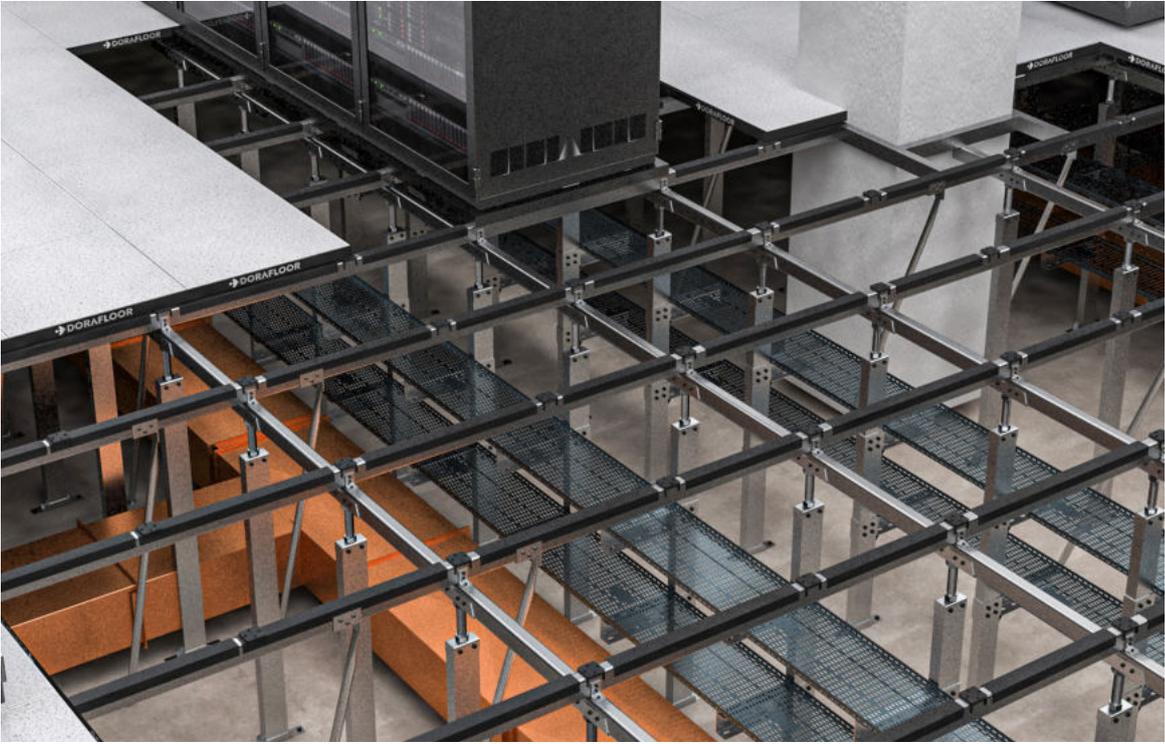
Dora Floor seismic raised access floor systems, capable of carrying high load can carry up to 1736 kg/m² at PEA 10,81 g.

Air Circulation Optimization

Airflow and pressure control for data centers is of strategic importance. Accordingly, the modular structure and raised access floor systems are suitable for planning the data center without restrictions and placing your equipment.

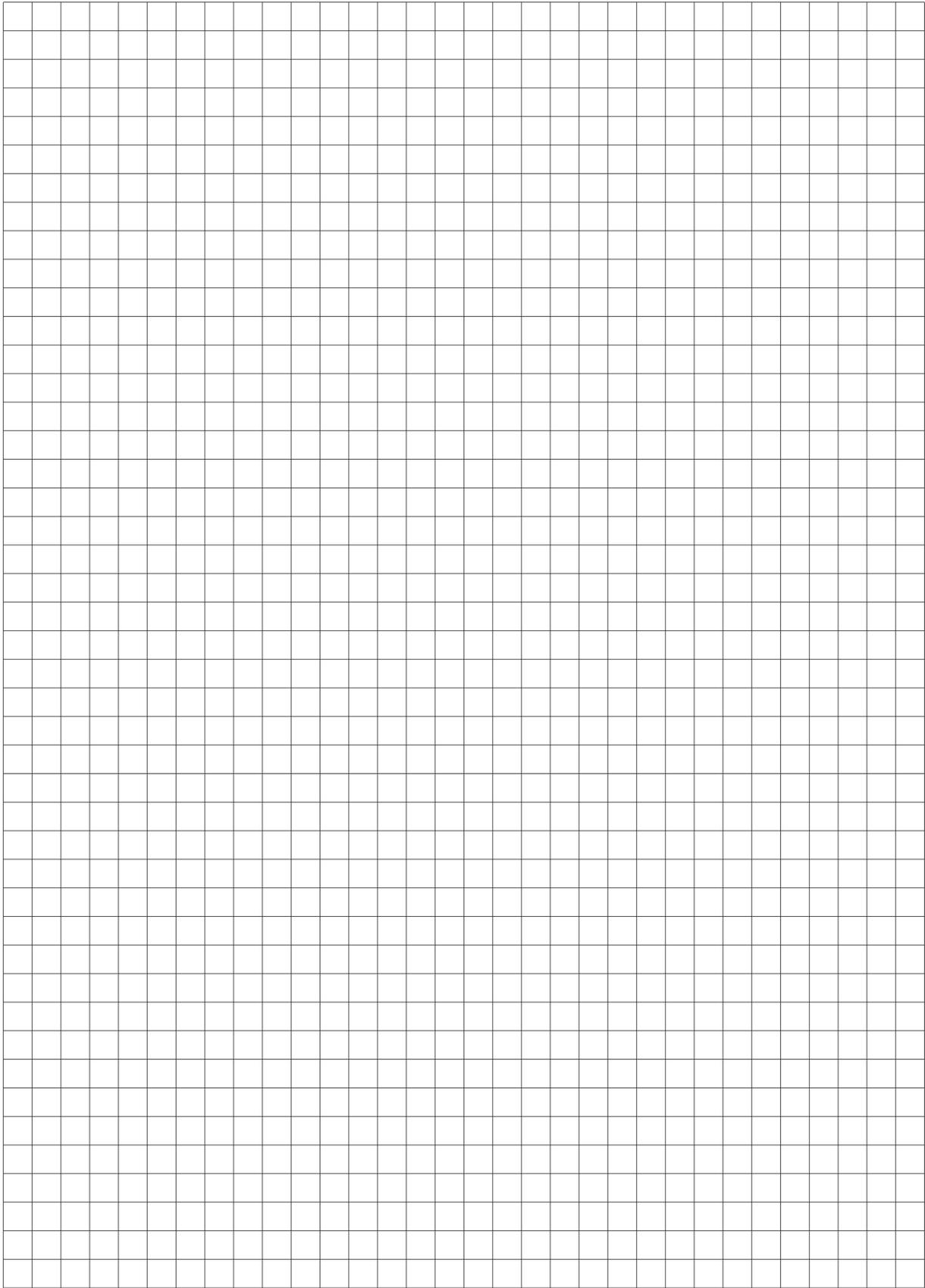
Data Center, Server Rooms Floor Solutions

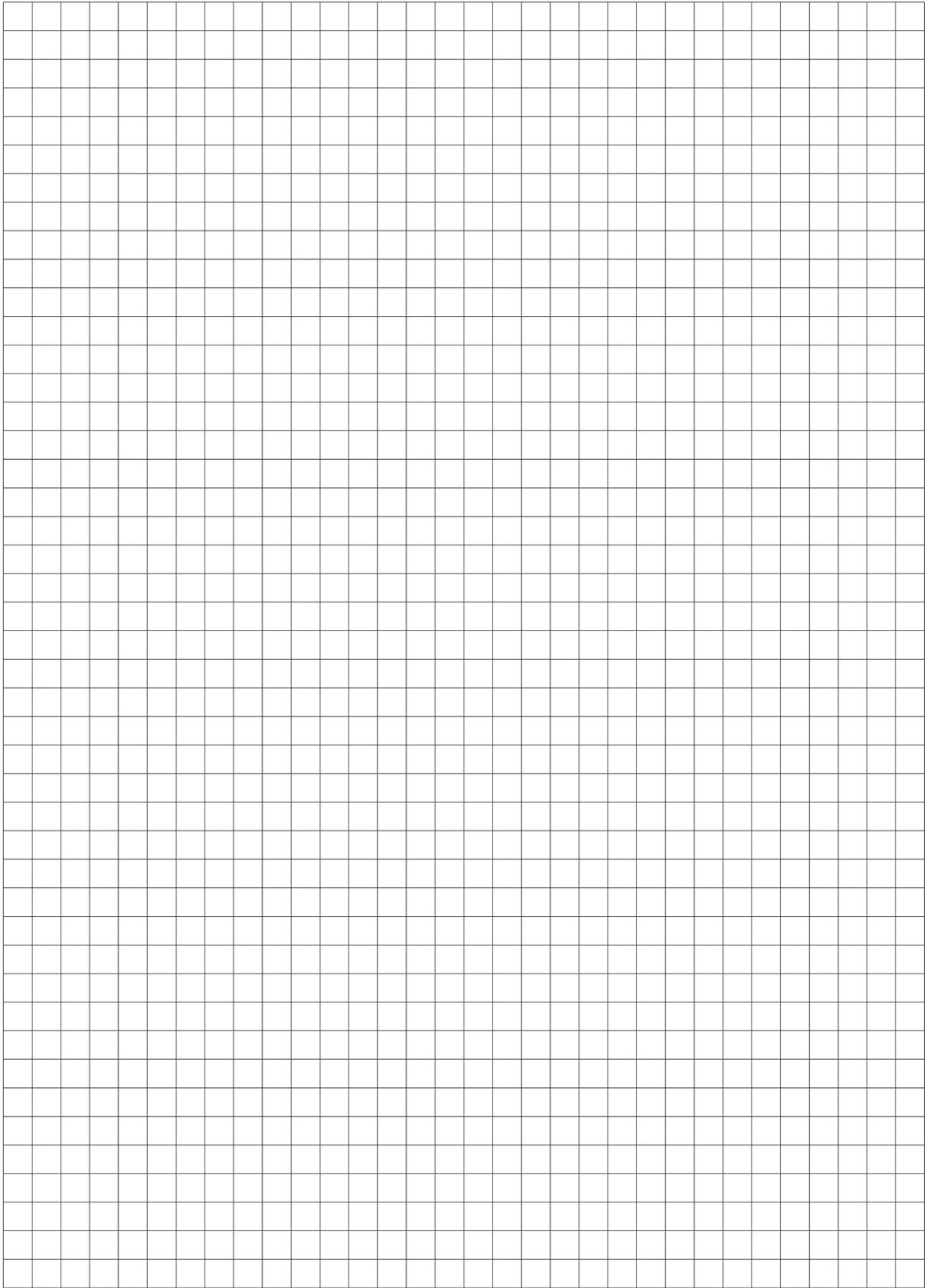
Server Rooms Floor Solutions



Data Center
Floor Solutions









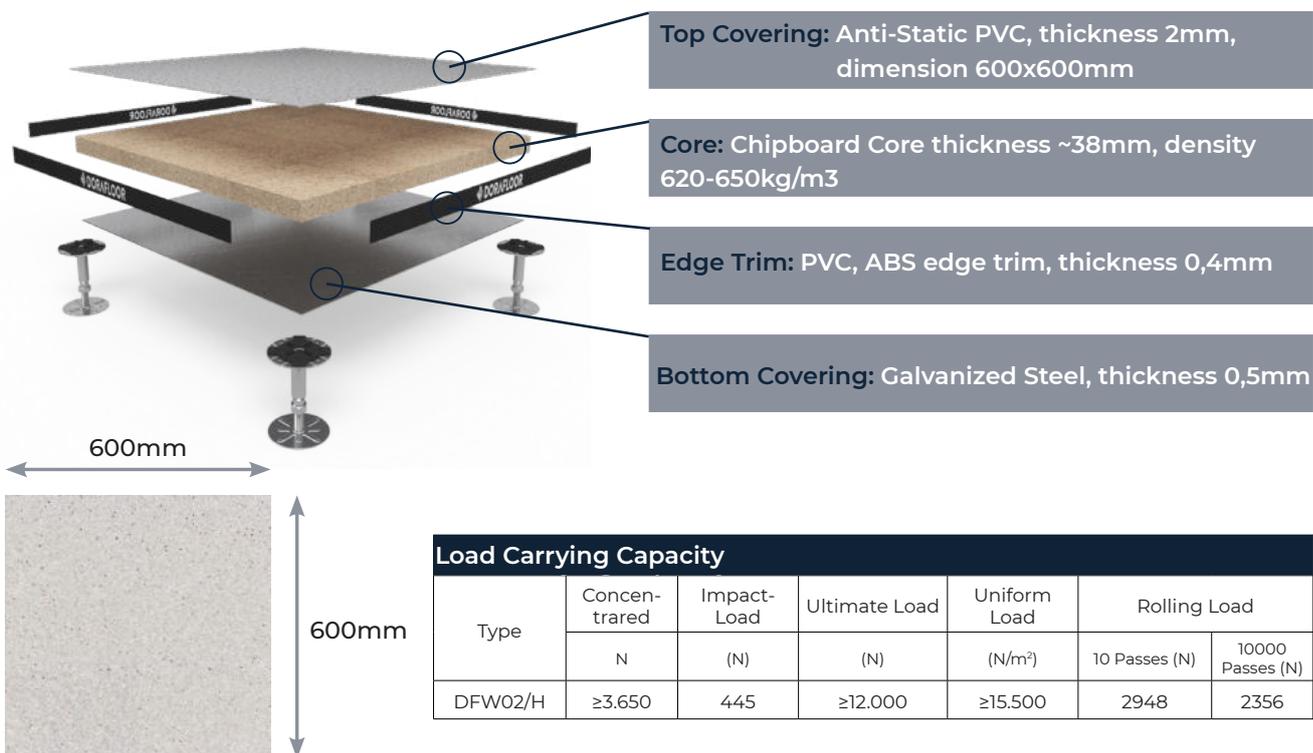
www.dorafloor.com

Technical Specification

DFW02/P/H

CLASS 1

"Anti-static PVC (2mm) covered, chipboard core (620-650 kg/m³), panels are produced with top Anti-static PVC (2mm) covering, bottom galvanized steel (0,5mm) with PVC edges. Panels have B1 class fire reaction. Panels are produced according to EN 12825 standard. Panels have antistatic feature and suitable for use in buildings with a green buildings certificate."



- Top Covering:** Anti-Static PVC, thickness 2mm, dimension 600x600mm
- Core:** Chipboard Core thickness ~38mm, density 620-650kg/m³
- Edge Trim:** PVC, ABS edge trim, thickness 0,4mm
- Bottom Covering:** Galvanized Steel, thickness 0,5mm

Load Carrying Capacity						
Type	Concentrated	Impact-Load	Ultimate Load	Uniform Load	Rolling Load	
	(N)	(N)	(N)	(N/m ²)	10 Passes (N)	10000 Passes (N)
DFW02/H	≥3.650	445	≥12.000	≥15.500	2948	2356

Panels	
Thickness:	40mm
Weight:	10-11kg
Panel Size:	600mm x 600mm x 40mm
Core Material:	38mm chipboard

System Sound Performance	
Airborne Insulation Dn,f,w (C;Ctr):	45 dB
Impact Insulation Ln,f,w(CI):	66 dB

Panel Fire Performance	
Reaction:	B1 Class according to EN 13501-1
Resistance:	REI30r

System Performance	
Ultimate Load:	in excess of 12.000N

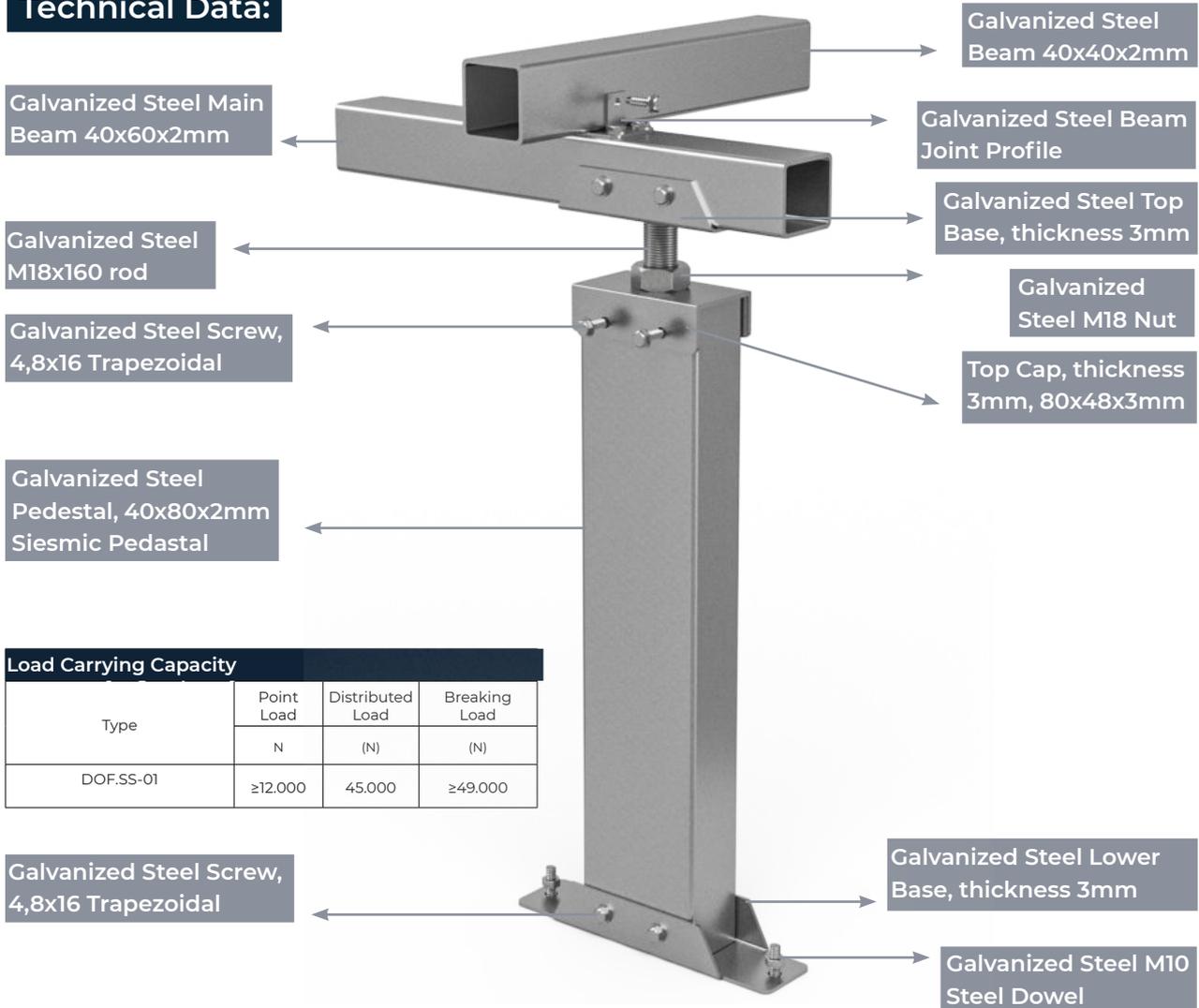
What are the advantages of wood core panels?	
A light and environmental product	
Double resistance	
Increased load capacity with special joint system	
Increased mechanical resistance with galvanized steel	
Production in accordance with EN 12825 standards	
Anti-static, impact sound reduction	
B1 class fire resistance	

Technical Specification

“DOF”
Raised Floor Substructure Systems

Seismic Pedestal DOF.SS-01

Technical Data:



Load Carrying Capacity			
Type	Point Load	Distributed Load	Breaking Load
	N	(N)	(N)
DOF.SS-01	≥12.000	45.000	≥49.000

Galvanized Steel Screw, 4,8x16 Trapezoidal

Description

The cap is 80x48x3 mm. The DOF cap is assembled by welding with M18x160 tij and M18 nut and height adjustment is possible with M18 nut. The DOF cap is designed for 40x40, 40x60, 40x80 profiles. Through the Ø6 holes on the header, the profile in the channel is mounted with 4,8x16 trapezoidal screws. It forms a 210x48x3 mm base sheet foot with a 40x 80x 2 profile. Through the Ø12 holes on the base sheet, the M10 clip is connected to the floor with a steel dowel. The adjustment nut is fixed with Loctite 243 or its equivalent adhesive on the cap and pedestal attachment point, which is adjusted to the appropriate height.

DOF seismic pedestal and accessories are used on floors that require heavy loads, such as data centers and electrical rooms. It is made of galvanized steel with height adjustable.