

SUBSTRUCTURE

PANELS

TOP LAYERS

ACCESSORIES

Product Sheet

FU 6/28 PANEL

A panel with good acoustic properties!

Page

1/2

PBS accepts no liability whatsoever for any direct or indirect damages, of any nature whatsoever arising from the information on this product sheet.



Description

A panel with calcium sulphate is extremely suitable for areas where a high degree of (walking) comfort is required. The high density of calcium sulphate (approx. 1,400 kg/ m³) gives this panel excellent sound absorbing characteristics. Its resistance to moisture also makes this panel extremely suitable for areas where humidity is high.

Finishing

Almost any type material can be applied as a top layer on calcium sulphate. Factory applied top layers can be used, but also carpet tiles that are applied after assembly can be used.

Panels

Calcium Sulphate Core

Thickness

28 mm, excluding top layer

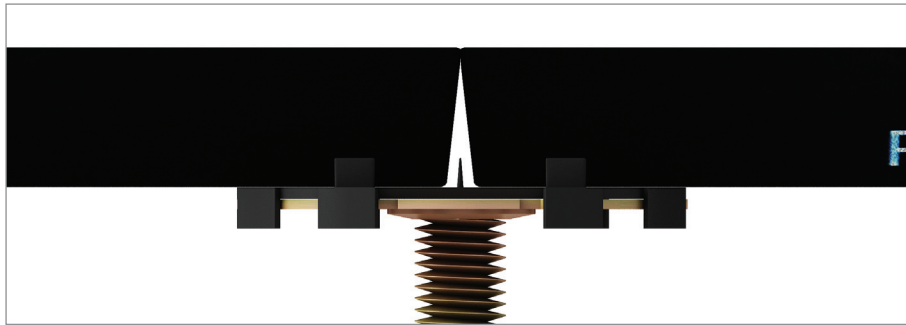
Material

Calcium Sulphate



This type of panel is approx. 28 mm thick excluding the top layer that must still be applied.





Dimensions

L x W x H

600 mm x 600 mm x 28 mm (excluding top layer)

Core

Calcium Sulphate, fibre reinforced (aprox. 1,400 kg / m³)

Finishing Top-side

See Top Layer Matrix

Finishing Bottom

Aluminium foil, steel plate or nothing

Panel Weight

Approx. 15.6 kg/ piece

System Weight

Approx. 46 kg/ m² (without top layer, based on pedestal type 1, AH = 250)

Load Capacity (NEN 12825)

Point Load

2 kN

Deflection Class

A (maximum 2.5 mm)

Safety Factor

2

Breaking Load

≥ 4 kN

Electrical Conductivity

Dependent on top layer chosen

R ≥ 10⁶ Ω

Resistance to Heat

0.44 W/mk

Fire Resistance (DIN 4102 T2)

F30

Top Layer Matrix

Carpet tiles, applied afterwards	
Carpet, factory applied	
Wall to wall floor coverings	
PVC tiles, applied afterwards	
Linoleum, PVC or rubber, factory applied	
Bamboo, factory applied	
Parquet, factory applied	
Composite Tiles or Natural Stone, factory applied	
Specials	



Sound Absorption

	Sound Partition	HORIZONTAL		VERTICAL		
		Flanking Sound R L,w,P or D n,f,w,P in [dB]	Contact Noise L n,w,P or L n,f,w,P in [dB]	Contact Noise Insulation ΔL w,P in [dB]		Air Insulation R w,P
				with Pads	without Pads	
Soft Top Layer	Without	54	40	35	--	--
	With	--	--			
Hard Top Layer	Without	52	63	19	--	--
	With	--	--			