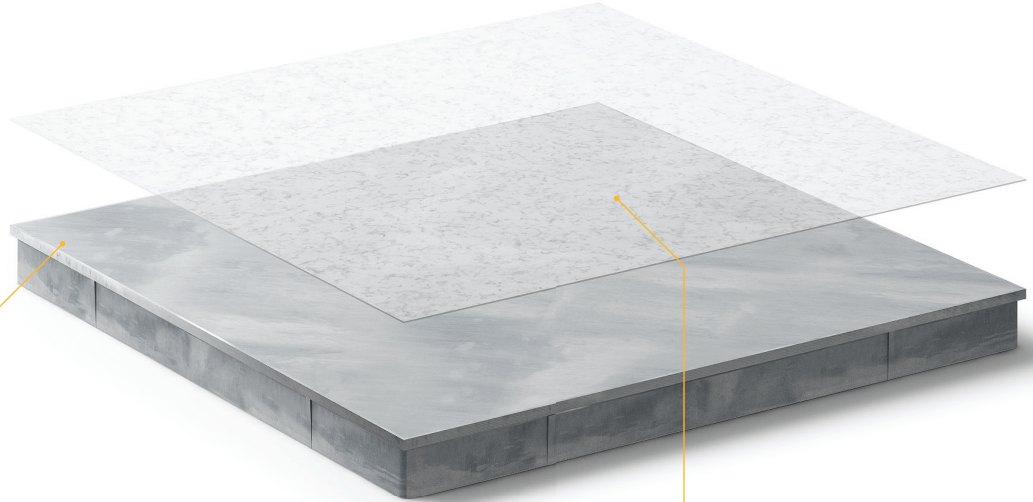


Product Sheet

ALU 6/47 PANEL

Extra strong, extra light and dust free. Ideal for use in clean rooms and data centres with extra high load!

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



Panels

Aluminium Alloy

Thickness
Ca. 47 mm

Material
Aluminium Alloy EN AC-AISi9Cu3(Fe)

Description

This aluminium panel has been developed for use in clean rooms, for example. The aluminium makes this panel light and super strong. Additionally aluminium has the advantage that it is completely dust free. Our modern CNC machines mill all panels to size with very low tolerances.

ESD-Safe

The conducting properties of aluminium make this panel extremely suitable for application in ESD safe rooms. By using a conducting top layer static electricity is discharged safely via the substructure. This prevents ESD damage to expensive components.

Panels

Top Layer

Thickness
Variable

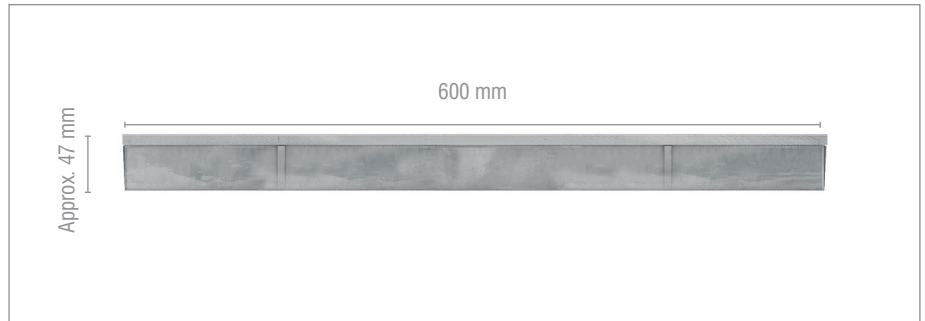
Material
Top layer to be applied in factory



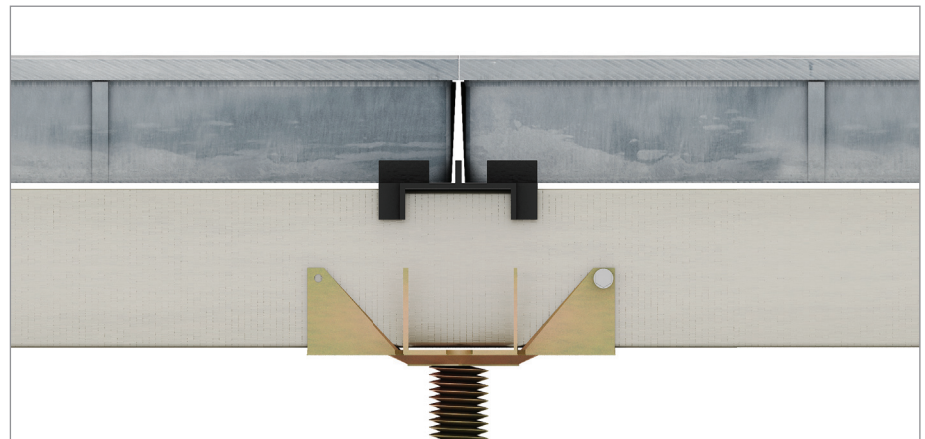
The aluminium panel has a ribbed structure underneath in order to achieve maximum load strength with a minimum of weight.



ALU 6/47 PANEL



This type of panel is approx. 47 mm thick not including the top layer to be applied in the factory.



Dimensions

L x W x H

600 mm x 600 mm x approx. 47 mm (excluding top layer)

Material

Aluminium Alloy EN AC-AISI9Cu3(Fe)

Finishing Top Layer

Top layer to be applied in factory

Finishing Bottom

N.a.

Panel Weight

Approx. 9.1 kg

System Weight

Approx. 28 kg (based on AH = 250 mm)

Load Capacity

Load capacity with 2 mm sag

At least 10 kN

Electrical Conductivity

Dependent on top layer chosen

$5 \times 10^4 \Omega \leq R \leq 10^{12} \Omega$

Resistance to Heat

~ 160 W/mk

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	
Composite Tiles or Natural Stone, factory applied	
Specials	

