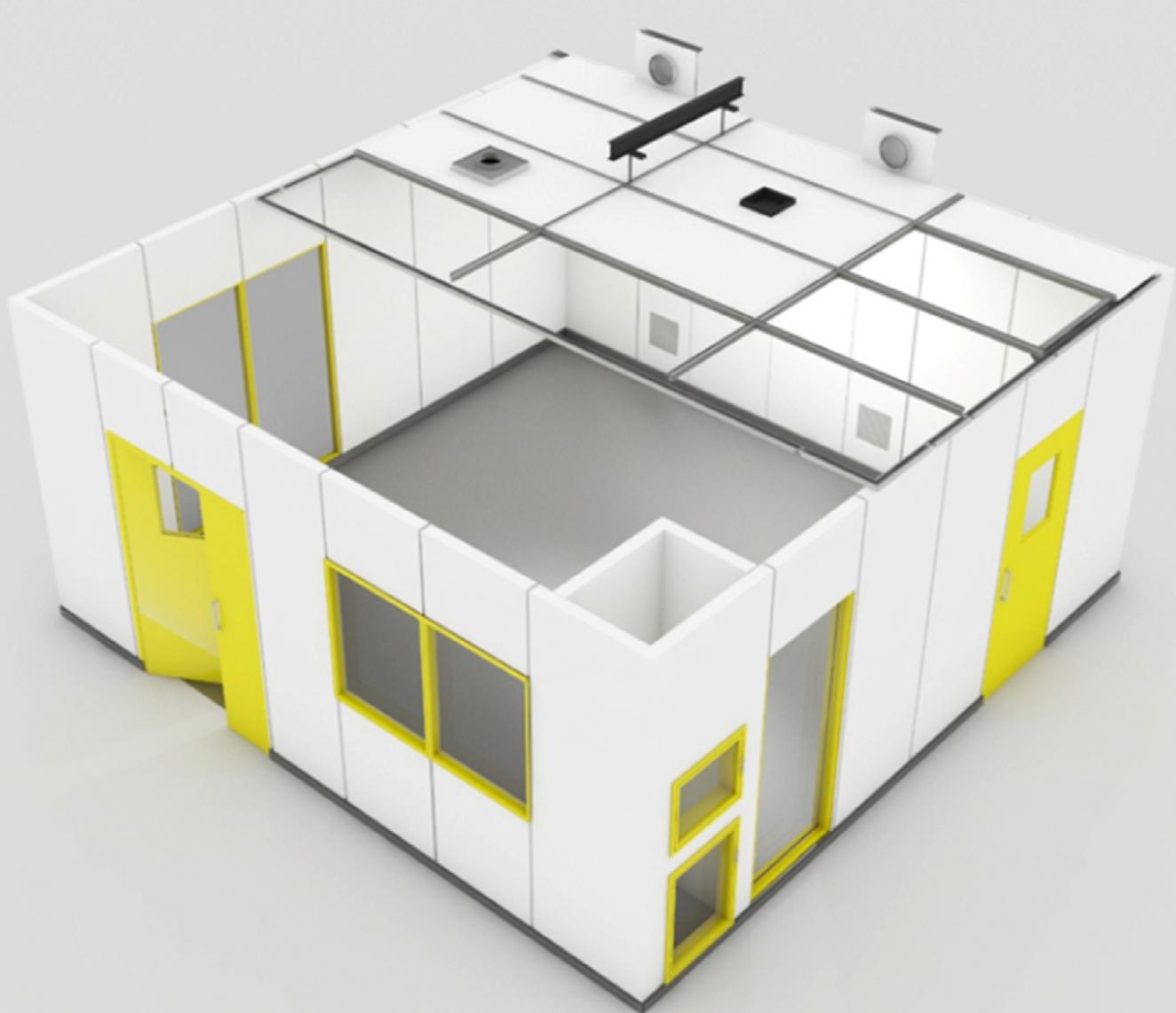


# Cleanroom Panel Systems

## Product Data







# Cleanroom Panel Systems

## Product Data

### Contents

---

**Product Overview**

**PRIMO PANEL**

**Product Specification and data**

MODULAR WALL PANEL - Standard

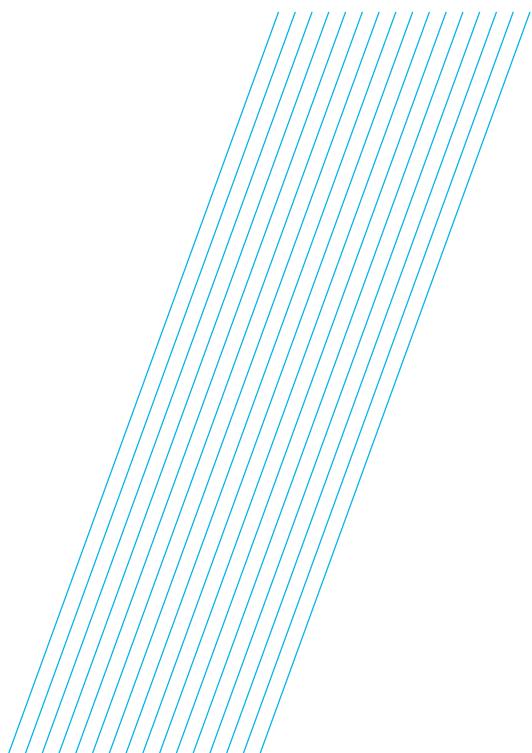
MODULAR WALL PANEL - Air Extraction Type

MODULAR CEILING PANEL

MODULAR DOOR

MODULAR WINDOW VIEW PANEL

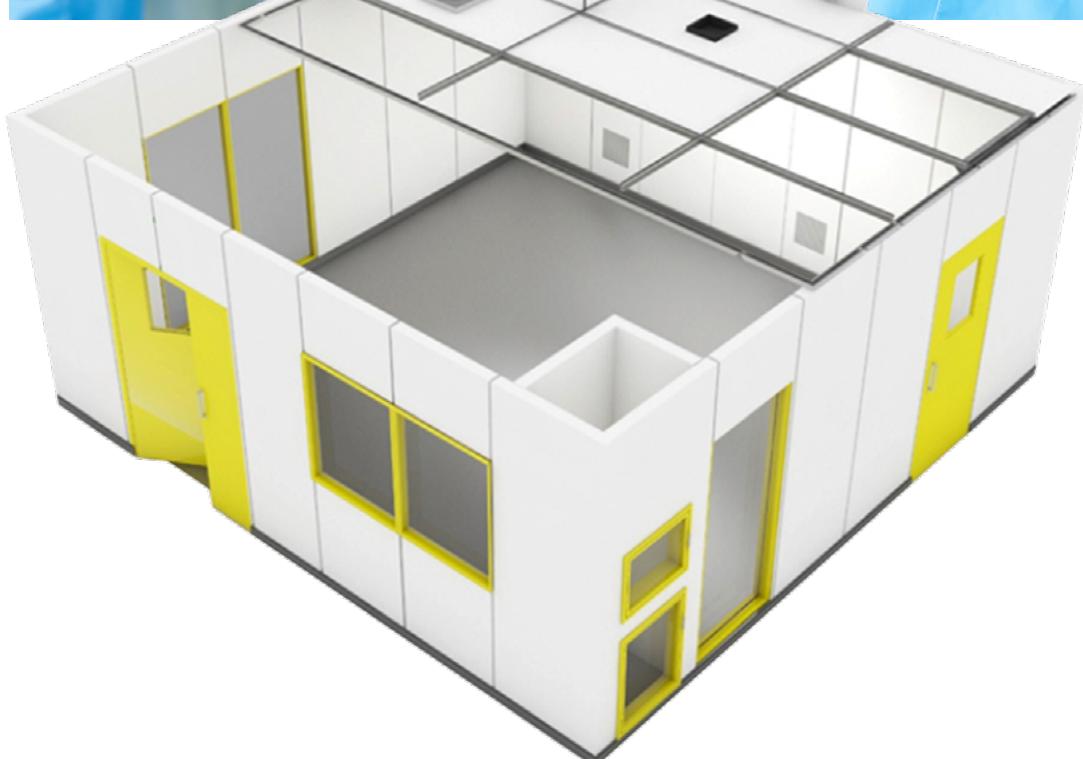
---



# PRIMO **PANEL**

## Product Overview

Modular Cleanroom panel systems (PRIMO **PANEL**s) from AVE Tech-nologies are designed for use within temperature controlled and hygiene safe environments such as food processing, freezers, cold/chill store and clean rooms for the bio-technology and pharmaceutical industries.



---

The PRIMO **PANELs** are available in flat profiles and wide range of colours.

All the development and manufacturing procedure are carried out entirely within the AVE factory. Upon purchase order, the technical office develops a first draft of the project from the construction layout given by the commissioning company in order to be submitted for approval by the client.

All designs are always drafted in observance of the client's request and in compliance of cGMP and FDA requirements.



# MODULAR WALL PANEL

## Standard Type

Modular Cleanroom wall panel systems from AVE Technologies are composed of prefabricated monobloc modules. Our special Aluminum profiles with the appropriate curve ensure flush, airtight finishes. The individual wall modules are just clipped together as you proceed.

The system's versatility gives you a free choice of materials, for example for constructions in black steel, stainless steel or galvanized steel. It is also possible to have a solution with a variety of infill and insulation materials like Rockwool, Polystyrene and Honeycomb.

Electrical Conduit (Steel / PVC)

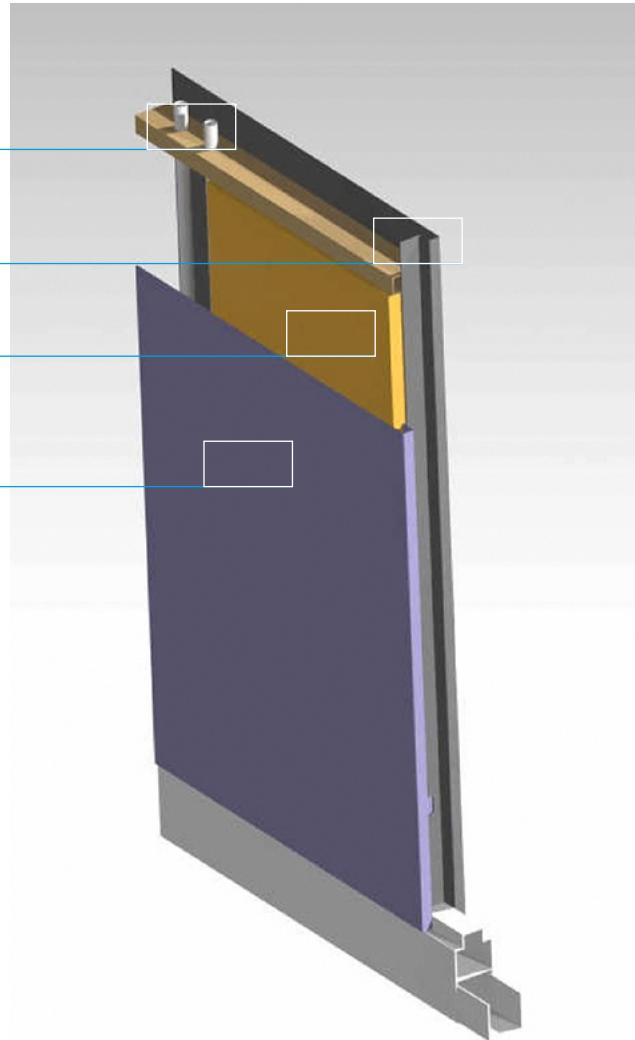
Structural Framework

Insulation (Rockwool / XPS / Honeycomb)

Steel Skin (ST12 / GST / SST)

### Features include:

- Flexibility to future change
- Smooth & easy to clean
- Excellent fire rating (Non-flammable)
- Perfectly airtight
- Ease & speed of fabrication & erection
- Wide variety of form and material
- Compatible with doors & window
- Integral appearance with coving system



## Standard Type

### Standard Dimensions

The modular wall panels can always be customised to meet every need. Module width, module height, cutout sizes, etc. are variable dimensions. As a result, AVE offers the widest possible range of sizes. And if you need something outside the range on offer and want fully-customised dimensions, we can also make these as standard.

- Panel Width: 890mm
- Panel Height: 4000mm (Max.)
- Panel Thickness: 50mm & 100mm

### Construction Material

- Skin:
  - ST12, DIN 1623 (0.8-1mm)
  - Galvanized Steel (0.6-0.8mm)
  - Stainless Steel (0.8-1mm)
- Structural Framework: 1mm
- Insulation:
  - Rockwool, EURO Class A1 (100 kg/m<sup>3</sup>)
  - Polystyrene board, EURO Class E (40 kg/m<sup>3</sup>)
  - Honeycomb
- Connecting Profile: Extruded H type AL profile
- Coating: Epoxy Polyester based, Powder Coated (60-80 Micron)





# MODULAR WALL PANEL

## Air Extraction Type

Modular Cleanroom wall panel systems from AVE Technologies are composed of prefabricated monobloc modules. Our special Aluminum profiles with the appropriate curve ensure flush, airtight finishes. The individual wall modules are just clipped together as you proceed.

The system's versatility gives you a free choice of materials, for example for constructions in black steel, stainless steel or galvanized steel. It is also possible to have a solution with a variety of infill and insulation materials like Rockwool, Polystyrene and Honeycomb.

### Features:

- Smooth & easy to clean
- Integral appearance with other panel
- Fully flush surface
- Ease & speed of fabrication & erection
- Perfectly airflow in the cleanroom
- Efficient saving of cleanroom area

[3D view](#)



## Air Extraction Type

### Standard Dimensions

The modular wall panels can always be customised to meet every need. Module width, module height, cutout sizes, etc. are variable dimensions.

As a result, AVE offers the widest possible range of sizes. And if you need something outside the range on offer and want fully-customised dimensions, we can also make these as standard.

- Panel Width: 890mm
- Panel Height: 4000mm (Max.)
- Panel Thickness: 100mm

### Construction Material

- Skin:
  - ST12, DIN 1623 (0.8-1mm)
  - Galvanized Steel (0.6-0.8mm)
  - Stainless Steel (0.8-1mm)
- Structural Framework: 1mm
- Insulation: No infill
- Connecting Profile: Extruded H type AL profile
- Coating: Epoxy Polyester based, Powder Coated (60-80 Micron)





# MODULAR CEILING PANEL

## Cleanroom False Ceiling



### Standard Dimensions

AVE Modular Cleanroom ceiling panels can always be customised to meet every need. Module width, module height, cutout sizes, etc. are variable dimensions.

As a result, the AVE system offers the widest possible range of sizes. And if you need something outside the range on offer and want fully-customised dimensions, we can also make these as standard.

- Panel Width: 890mm
- Panel Height: 2500mm (Max.)
- Panel Thickness: 50mm

### Features:

- Walkable false ceiling (up to 180 kg/m<sup>2</sup>)
- Fully flush diffuser and lighting
- Smooth surface with easy cleaning
- Supported with wall panels and suspension rod

## Cleanroom False Ceiling



### Construction Material

- Skin:
  - ST12, DIN 1623 (0.8-1mm)
  - Galvanized Steel (0.6-0.8mm)
  - Stainless Steel (0.8-1mm)
- Structural Framework: 1mm
- Insulation:
  - Rockwool, EURO Class A1 (100 kg/m3)
  - Polystyrene board, EURO Class E (40 kg/m3)
  - Honeycomb
- Connecting Profile: Extruded H type AL profile
- Coating: Epoxy Polyester based, Powder Coated (60-80 Micron)





Proud to be a British Company

---

### **AVE Technologies offer:**

Granulation System

Blenders & Mixers

Encapsulation Solutions

Tablet Compression

Coating System

Softgel Encapsulation

Counting Line

Blister Packing Solutions

Cartoning Packing Solutions

Checkweighing System

Cleanroom Design & Construction

All images are for illustrative purposes.  
Specifications are subject to regular  
updating. Please contact AVE Technologies  
for latest product details.

**AVE Technologies** Ltd.  
Unit 15, Riverview Business Park,  
Forest Row, RH18 5FS, United Kingdom  
**T:** +44(0)1342 457440 **E:** [info@avetechnologies.co.uk](mailto:info@avetechnologies.co.uk)  
[www.avetechnologies.co.uk](http://www.avetechnologies.co.uk)

---

**AVE** Technologies Group