

Cleanroom Panel Specifications

Advantages of our Cleanroom panel system

- ❖ Custom-made design to suit specific applications
- ❖ Turnkey solutions for entire Cleanrooms
- ❖ Execution of projects on fast track
- ❖ Implementation of cGMP and regulatory requirements in panel system
- ❖ Providing required documentation & validation of Cleanrooms



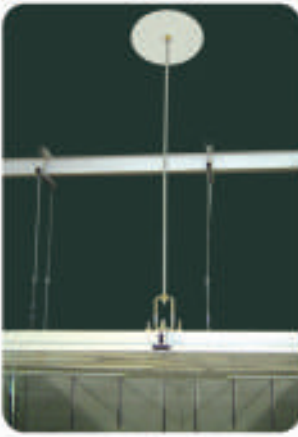
WALL PANELS

- SIZE** : Standard Size: 1200mm width and 3000mm height.
Other sizes can be customized based on layout.
- MOC** : Powder coated / Precoated Galvanized Steel /
Stainless Steel
- INFILL** : PUF (Polyurethane Foam)
PIR (Poly ISO Rinate)
Mineral wool/ Glass wool / Rockwool
Honeycomb kraft paper
- PROFILES** : Aluminum / GI
- FLOOR TRACK** : Level adjustable floor track to compensate floor undulations
- INTEGRATION** : Concealed system provided by using inbuilt conduit
with electrical module boxes installed within the panel.

All cutouts are factory made and properly sealed

Optional items like Wall Guard, Crash Panel for the emergency exit, Removable panels for the equipment movement can be given.





CEILING PANELS

We offer walkable ceiling / Non-walkable ceiling depending on the requirement.

Walk-on ceilings

SIZE : Standard Size: 1200mm width and 3000mm height.
Other sizes can be customized based on layout.

Progressive ceiling

Concealed grid
Load bearing capacity of 150 Kg/m²
MOC : Powder coated / Pre-coated Galvanized Steel / Stainless Steel
INFILL : PUF (Polyurethane Foam)
PIR (Poly ISO Rinate)
Mineral wool/ Glass wool / Rockwool
Honeycomb kraft paper
HARDWARE : All supporting hardware in GI

Non progressive ceiling

- ❖ Service panel between two ceiling panels
- ❖ Concealed wiring / conduits within the ceiling
- ❖ Panel Grid made of GI powder coated

Factory made cutouts for filter module and light fixture. These cutouts are properly sealed and finished with powder coating. We carry out the leveling of ceiling by using laser device.

Ceiling grid for class 100 areas.

- ❖ Specially designed ceiling grid suitable for class 100 laminar with filtration for entire room
- ❖ Tear drop light fixtures shall be used in class 100 areas / laminar areas
- ❖ HEPA / Gel filled HEPA modules can be placed over the ceiling grid.

Coving

Aluminum (R-70 & R-50) Covings /PVC Covings are integrated for wall to wall and wall to ceilings. Specially designed 3 dimensional corner clip-on covers will be used in the corners.



Windows:

- ❖ Double glazed flush view panels
- ❖ Two glasses of 6 mm thick
- ❖ Rounded angles on the corners
- ❖ Silica gel filled in the frame
- ❖ Sizes ranging up to 2.4 m in width



Doors:

- ❖ Cleanroom flush doors
- ❖ Fire rated door
- ❖ Emergency doors with panic hardware
- ❖ Flushed frame profile.
- ❖ Standard door hardware like:
 - D handles / push plates / kick plates
 - Door closures (Heavy duty / Medium duty) with Concealed / Hold open options
 - Drop seal in the door bottom and door gasket
 - See through double glazed glass of standard size
 - Various infill options like Honeycomb kraft paper PUF / PIR and Mineral wool



We provide GMP compliance sliding door wherever required.



Quality Control Mechanism

At IClean, every product & process undergoes stringent quality control tests complying with international standards.

- ❖ Scratch Hardness Test
- ❖ Salt Spray Test
- ❖ Impact loading Test
- ❖ Conical Mandrel Test
- ❖ Cross Hatch Test
- ❖ Powder Coating Thickness Test

Inhouse Equipment

- ❖ Powder Coating booth
- ❖ High pressure INSITU PUF injection machine
- ❖ CNC punch press
- ❖ CNC press brake
- ❖ Folding machine
- ❖ Press Zig

