

Engineered for Controlled Environments

CLESTRA
Cleanroom

Clean+

MODULAR CLEANROOM SYSTEMS

CR-P50

WALL SYSTEM

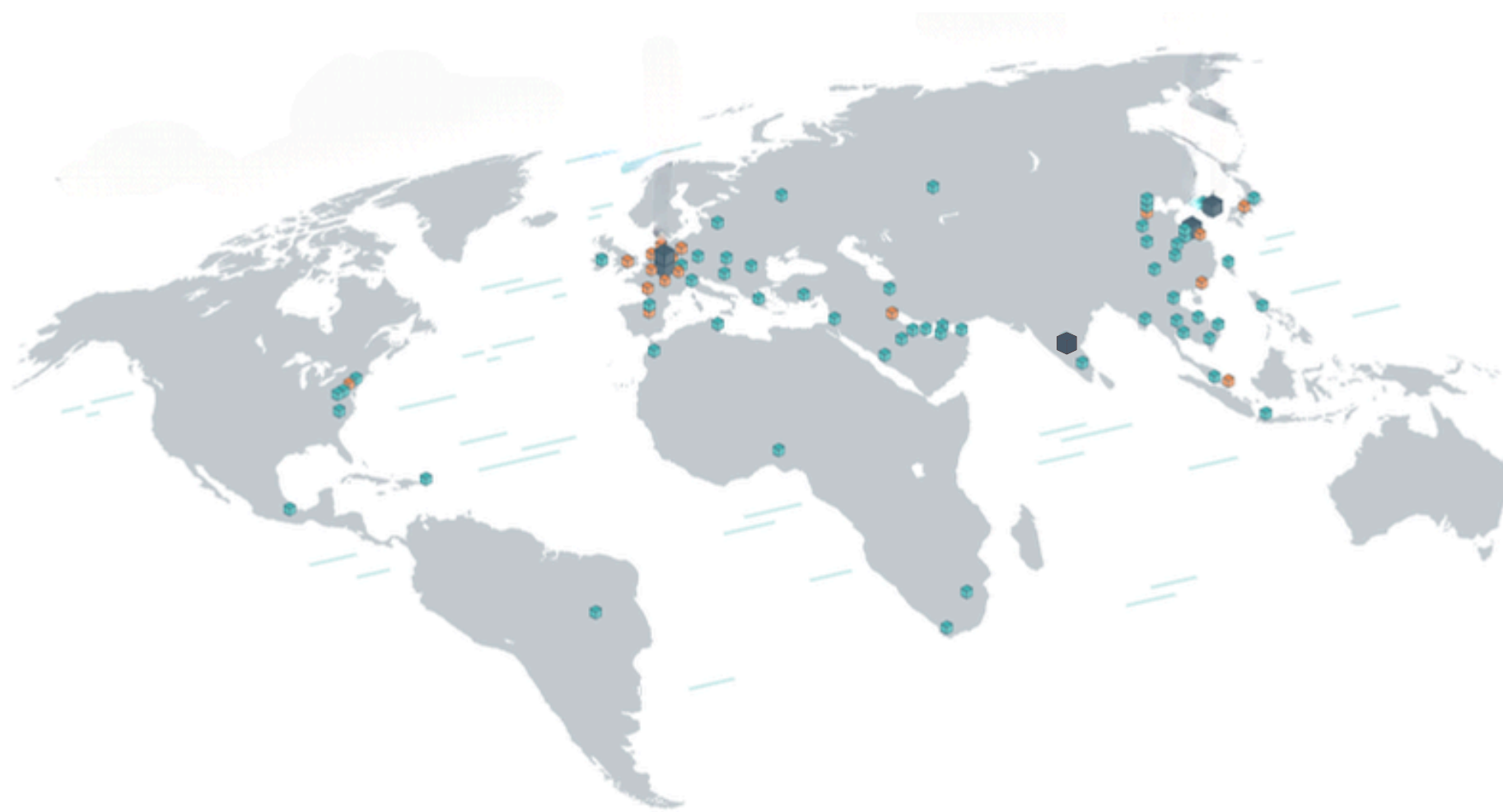
CR-C50

WALKABLE CEILING SYSTEM



ABOUT US

CLESTRA
Cleanroom



Global Expertise. Local Manufacturing.

For over 100 years, Clestra has been a global specialist in interior architecture and high-performance controlled environments. We deliver standardized, high-quality partition and ceiling systems optimized for the healthcare, pharmaceutical, and advanced manufacturing industries across APAC and India.

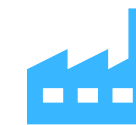
Our solutions are engineered for excellence, combining reliability with unmatched operational flexibility:



Global
Presence



Technical
Expertise



Manufacturing
Excellence



Easy
Maintenance

WHY Clean+ SYSTEM

CLESTRA
Cleanroom

**Built for Performance.
Designed for Efficiency.**



Excellent airtightness



Easy integration of
MEP services



Fast installation



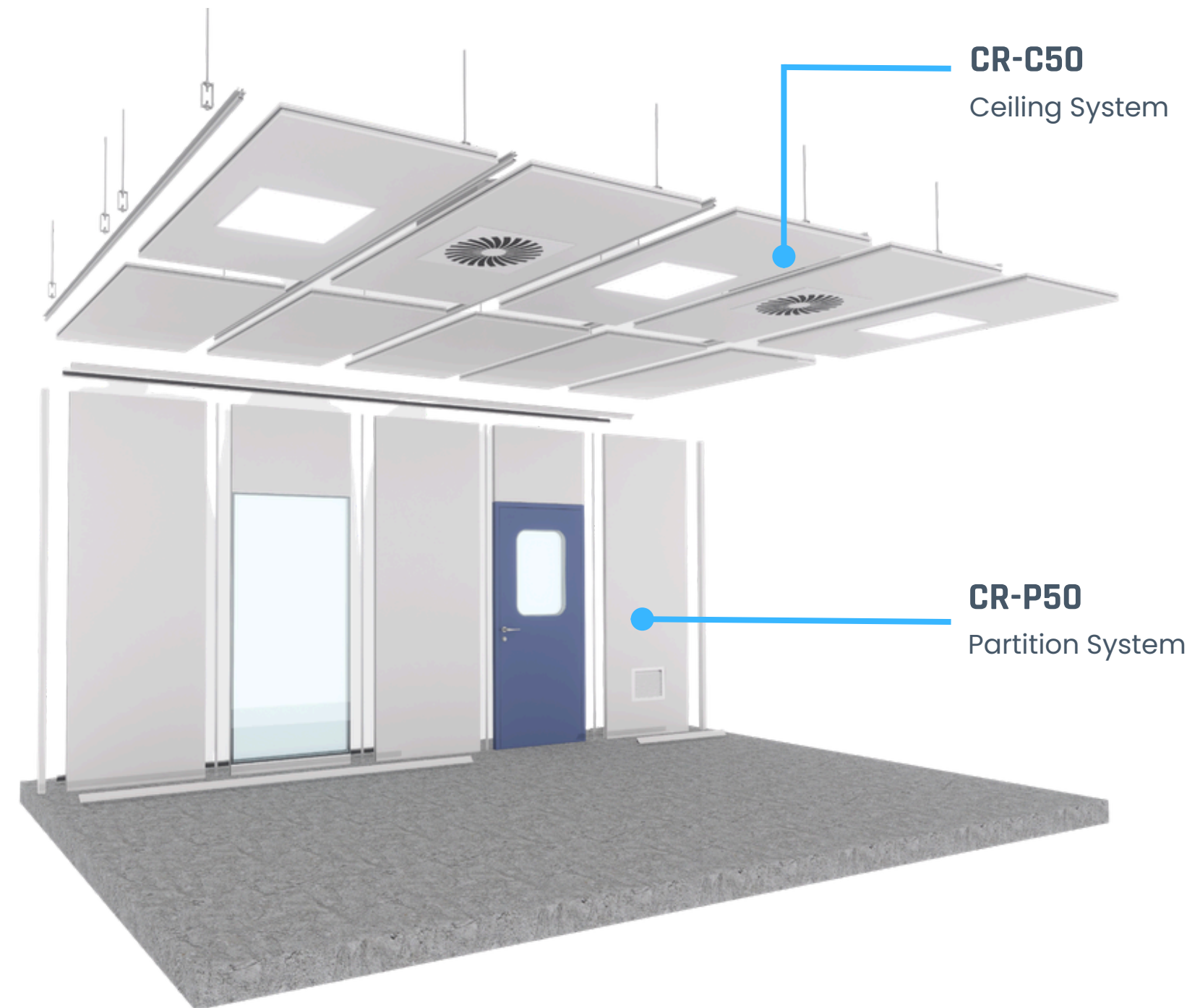
Modular Expansion



Reduced
maintenance costs



Short manufacturing
lead time



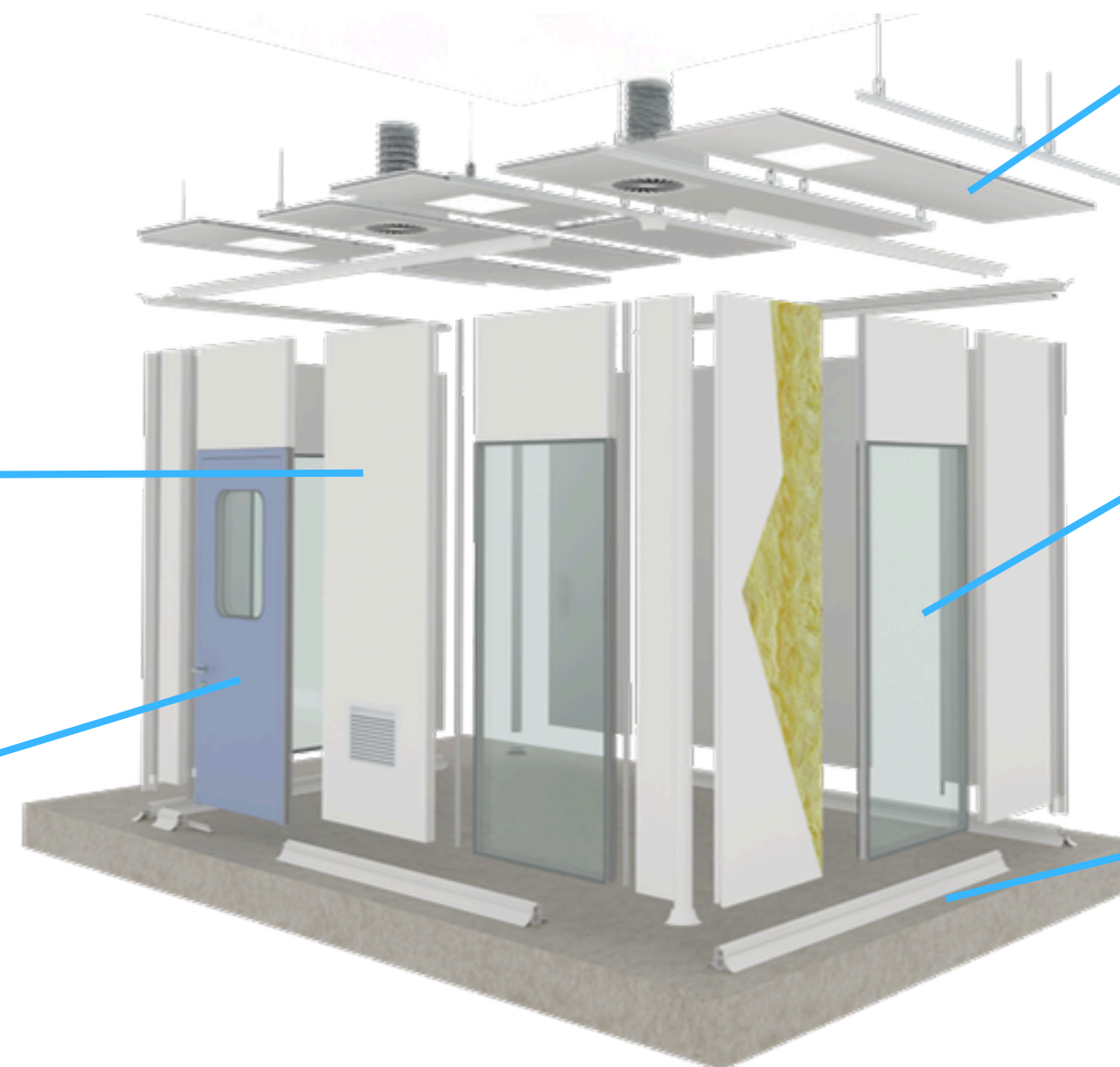
OVERVIEW

Integrated. Modular. Performance Driven.

Clean+ cleanroom systems deliver a complete solution with seamless integration of walls, ceilings, doors, windows and accessories.

WALL SYSTEM CR-P50
Modular wall panels with excellent airtightness

DOOR SYSTEM
Manual & automatic airtight and reliable operation



CEILING SYSTEM CR-C50
High-quality ceiling panels with precise integration

WINDOW SYSTEM
Flush glazing for maximum visibility and cleanability

FLOOR (BY OTHERS)
Seamless flooring compatible with cleanroom requirements

CR-P50 SOLID WALL SYSTEM

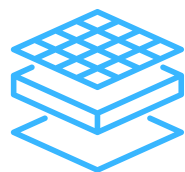
High Performance. Modular Wall System.

The wall system consists of factory-manufactured insulated sandwich panels with high-quality steel skins and a precision-engineered 1.0mm thick aluminum alloy profile framework.



High Performance

Airtight, durable for a critical environment



Flush & Seamless Surface

Smooth, flush surfaces for easy cleaning and a premium appearance



Progressive Installation

Modular and adaptable for fast and clean installation

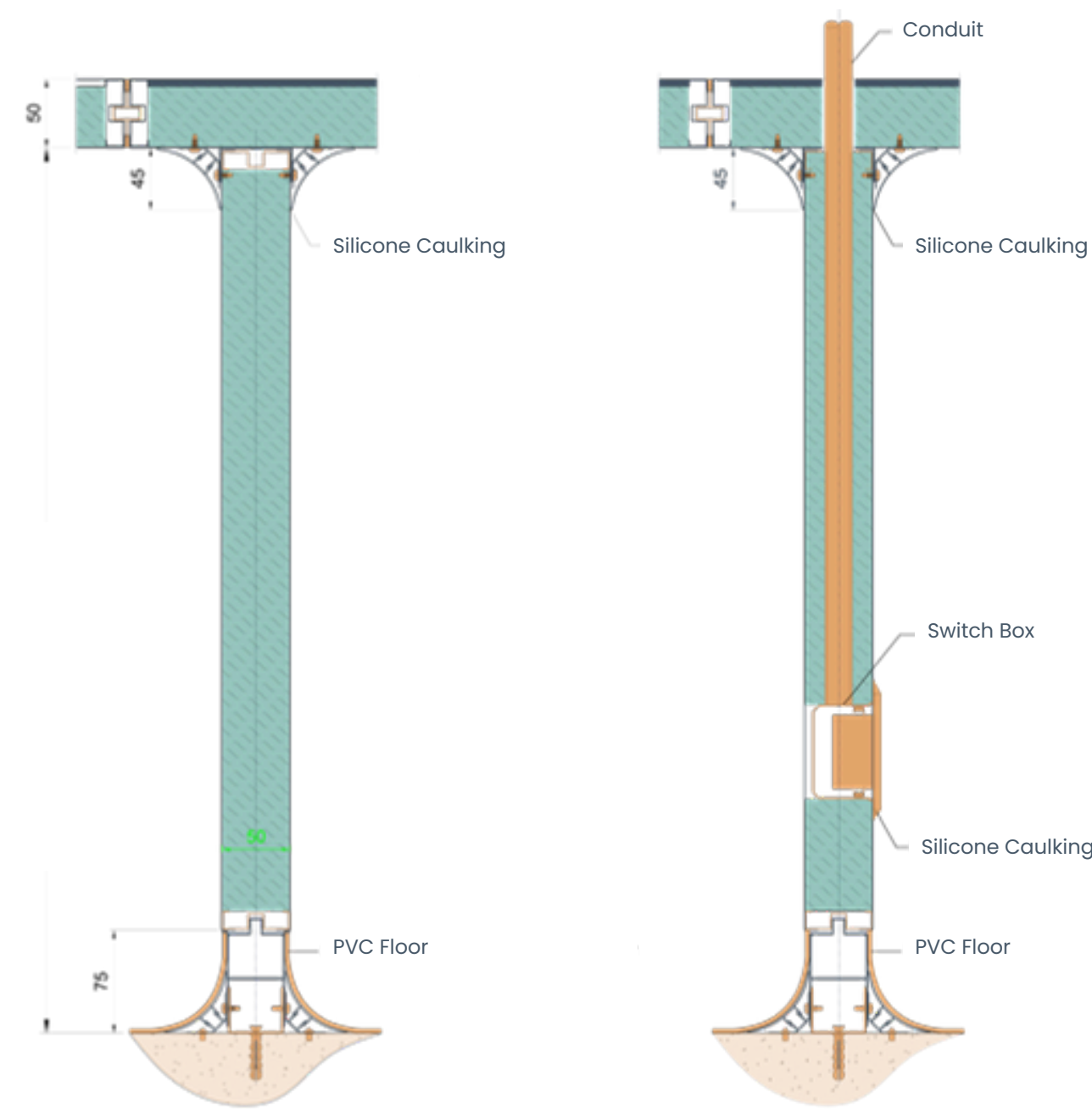


Durability

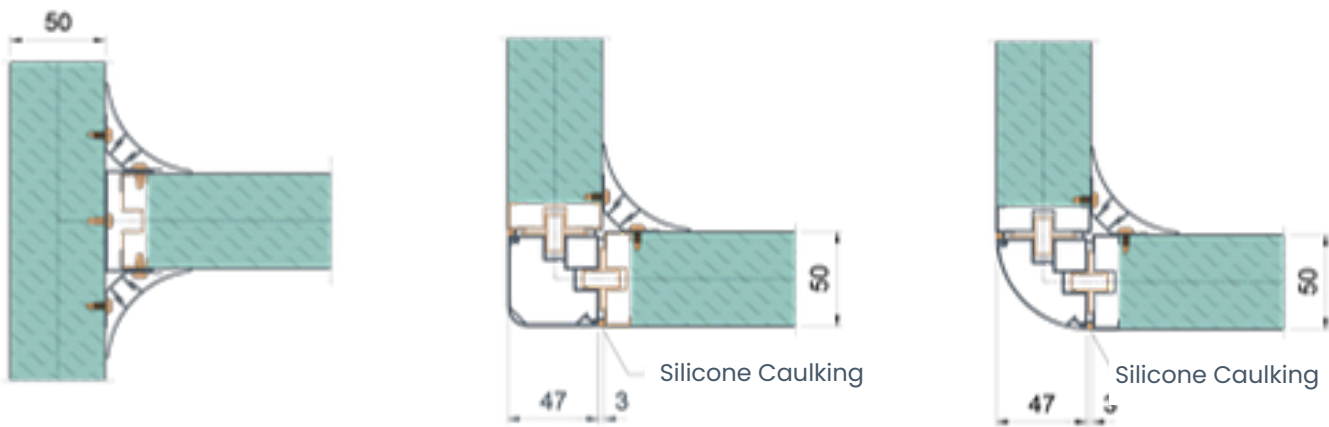
Robust materials and proven construction for long-term reliability

CR-P50 SOLID WALL SYSTEM

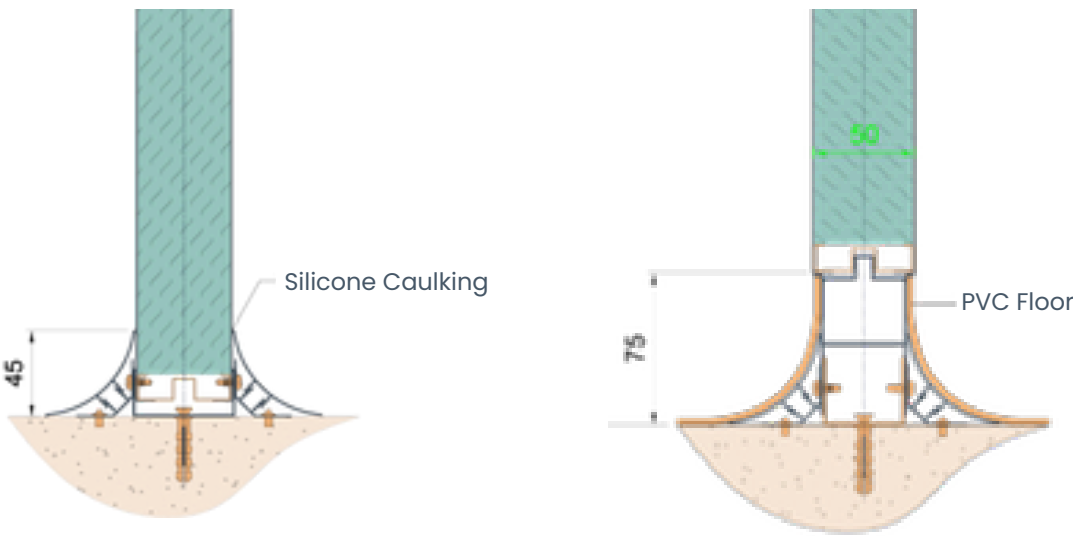
Section View



Junction



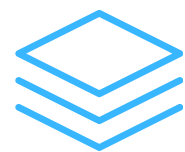
Base Options



CR-P50 WINDOW SYSTEM

Flush Glazing. Maximum Visibility.

The flush double glazing system is engineered to integrate perfectly with wall panels, maintaining a smooth, ledge-free surface that prevents particle accumulation and facilitates effortless cleaning in critical environments.



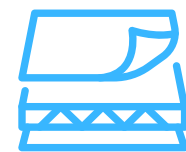
Double Flush Surface

Ensuring easy cleaning and a premium appearance



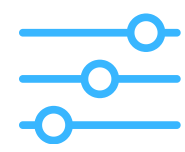
Robust Tempered Glass

5+5mm double-glazed tempered glass for safety and durability



Advanced Sealing

3mm junctions guarantee complete airtightness



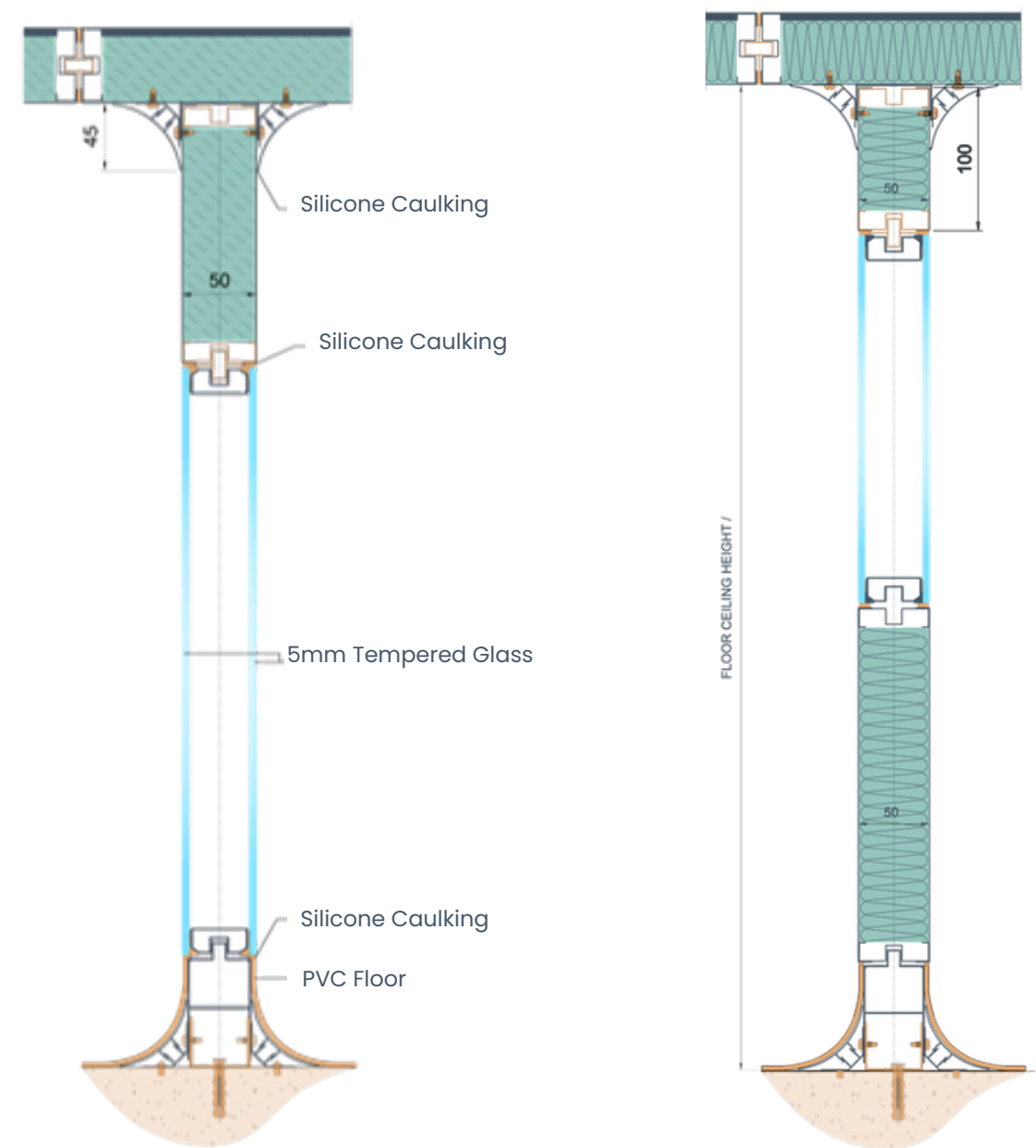
Versatile Options

Features an anti-condensation design, with optional integrated blinds

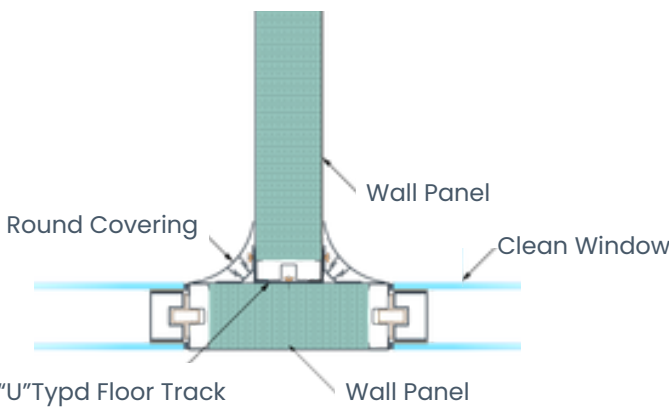
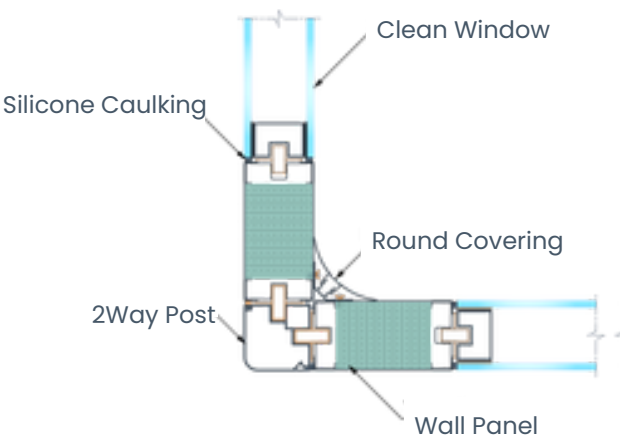


CR-P50 WINDOW SYSTEM

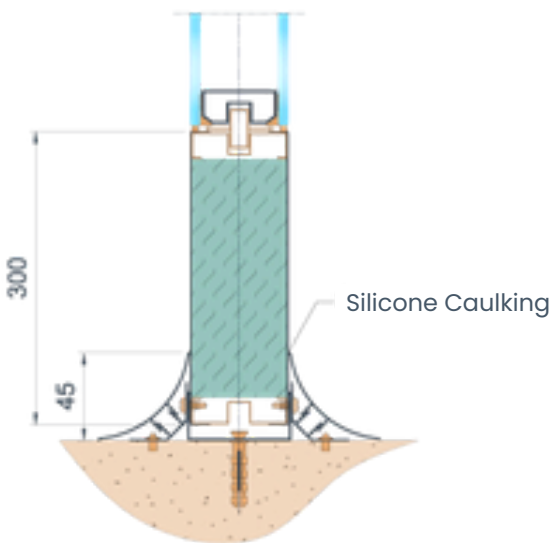
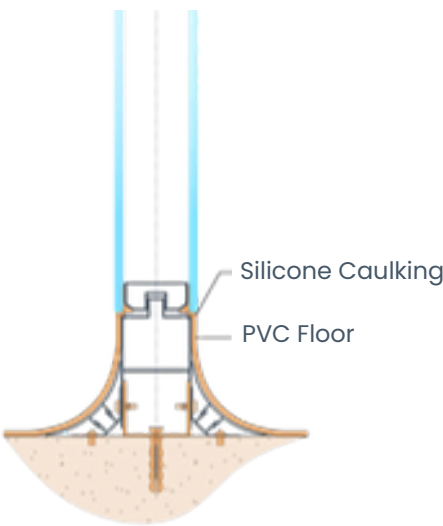
Section View



Junction



Base Options



CR-P50 DOOR SYSTEM

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Secure Access. Ultimate Control.

Ensure seamless operations and strict contamination control. Every component is precision-engineered to safeguard your critical environment.



**Various
Configurations**



Access Control



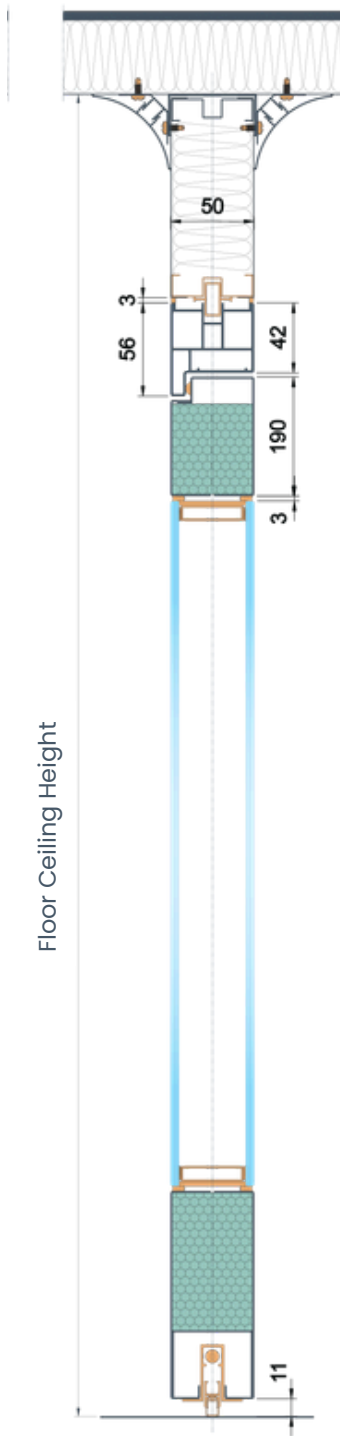
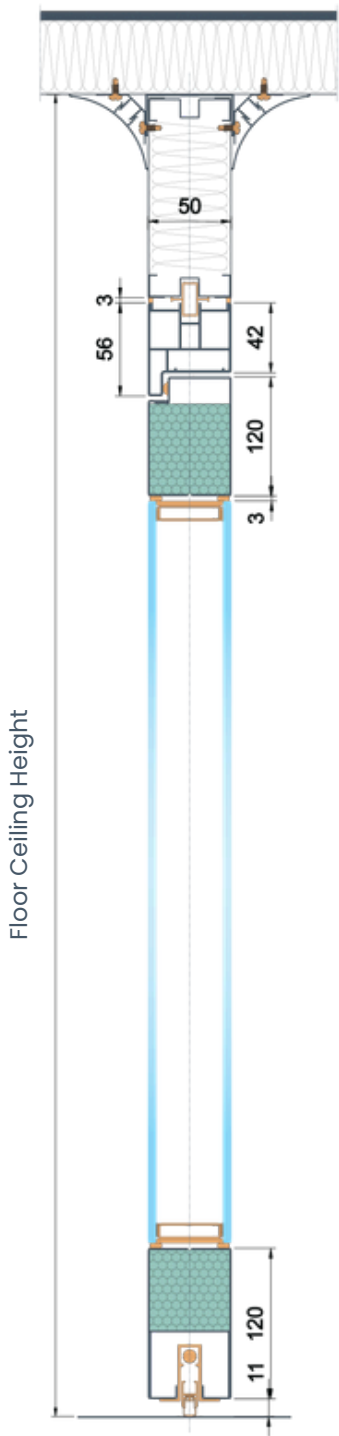
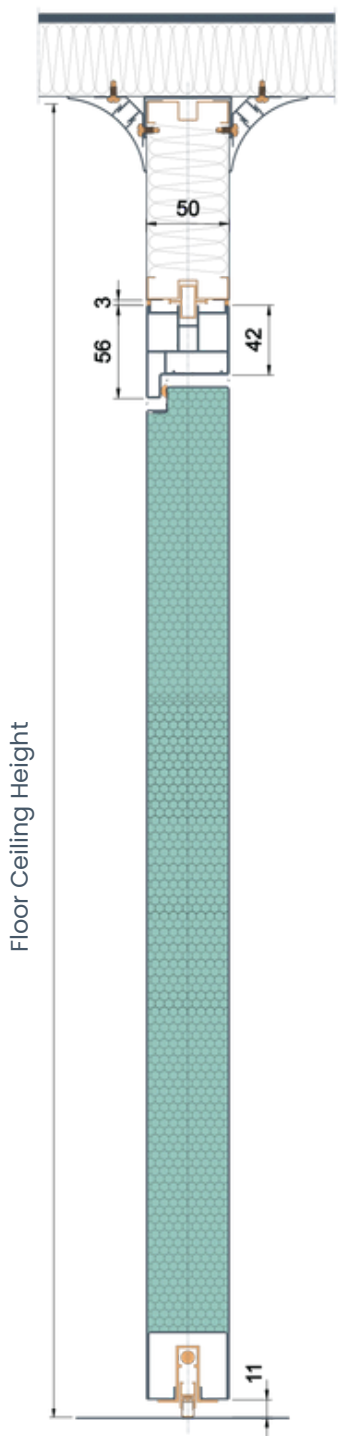
**Airtight
Protection**



**Premium
Hygienic Build**

CR-P50 DOOR SYSTEM

Vertical Section



CR-P50 SPECIFICATIONS

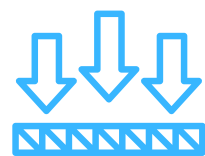
CR-P50			
Solid Partition		Glazed Window	Door
Thickness	50mm	50mm	50mm
Width	980mm standard module for overseas market 1180mm standard module for China market		
Height	Up to 6,000mm	Up to 2,700mm	Up to 3,000mm
Structure	Sandwich panel constituted of 0.5mm thick PCGI steel sheets on both sides, factory-bonded to a composite core of high density rockwool (120 kg/m³)	Double-glazed window, constituted of 5mm tempered glass, flush attached on both sides of the panel. Internally filled with anti-moisture desiccant.	50mm thick aluminum door frame, 0.8mm steel skin door leaf with rockwool infill (glass viewing panel optional)
Finishes	Powder coated galvanized sheet(PCGI) with a nominal coating thickness of 60–100 μm	Glass sheets available with decorative film, sand blasted, color glass	Matte powder paint finish with a nominal coating thickness of 60–100 μm
Junctions	Panels junction made with a 1.0mm thick aluminum alloy profile, leaving a 3mm junction infilled with silicone caulking	Panels junction made with a 1.0mm thick aluminum alloy profile, leaving a 3mm junction infilled with silicone caulking	3mm junction infilled with silicone caulking
Density	15kg/sqm	27kg/sqm	25 ~ 28kg/sqm
Fire Reaction	A2	–	–

CR-C50 CEILING SYSTEM

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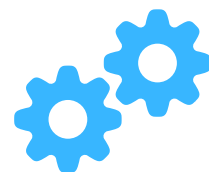
Walkable Strength. Absolute Integration.

Our modular ceiling integrates all utilities into one accessible platform. Facility managers can safely perform overhead maintenance without risking contamination to the environment below.



Walkable

High-capacity demountable panels enable safe overhead maintenance during active production.



Utility Hub

A highly adaptable layout engineered to embed HEPA filters, lighting, and safety systems directly into the framework



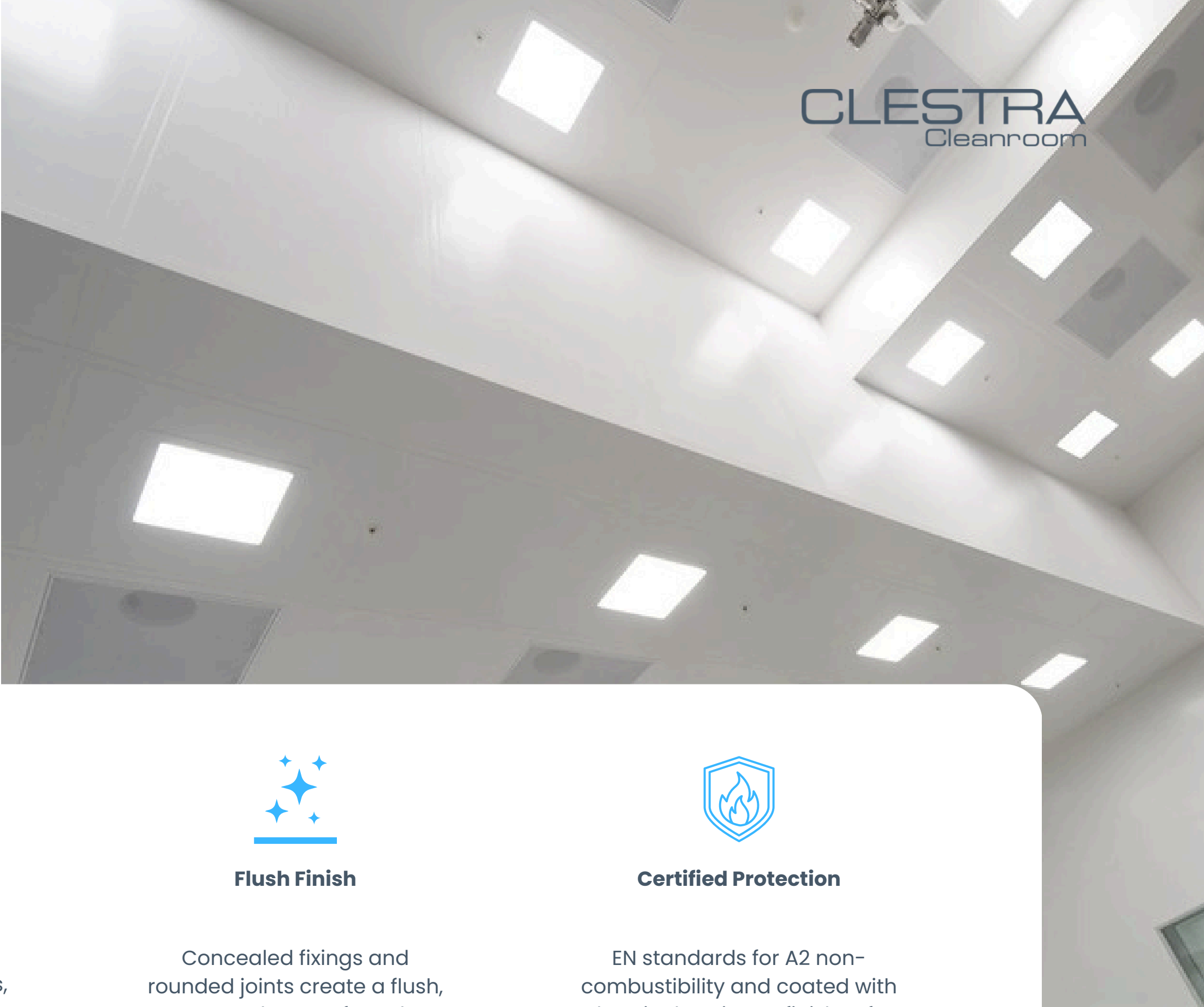
Flush Finish

Concealed fixings and rounded joints create a flush, easy-to-clean surface that prevents particle buildup.



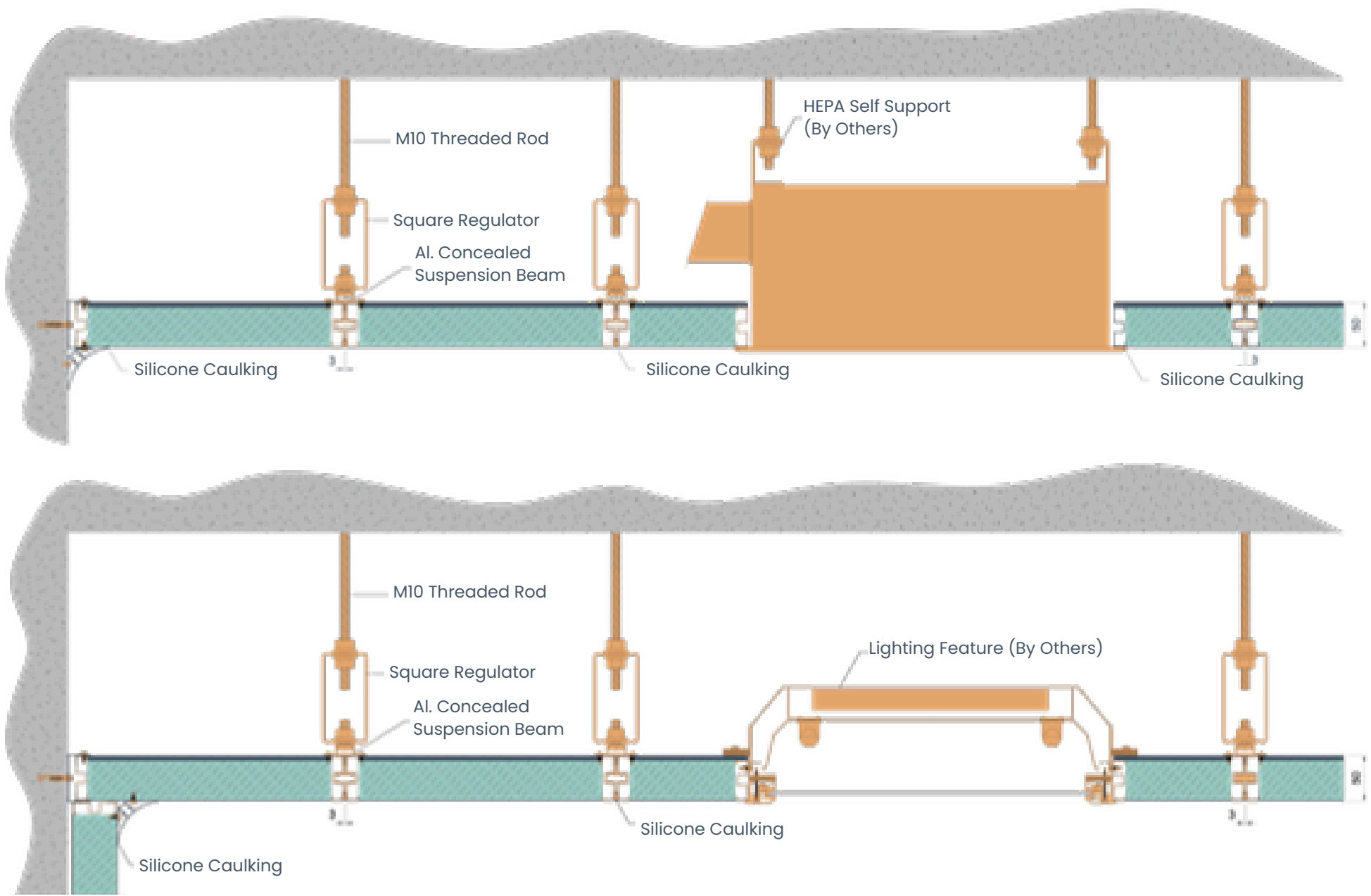
Certified Protection

EN standards for A2 non-combustibility and coated with chemical-resistant finishes for resilient, long-lasting performance.

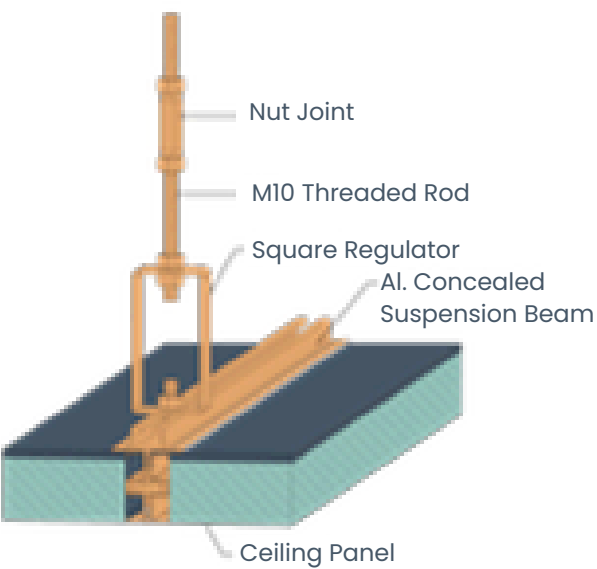


CR-C50 CEILING SYSTEM

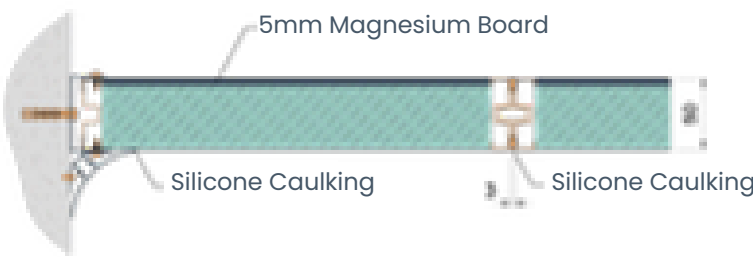
Section View



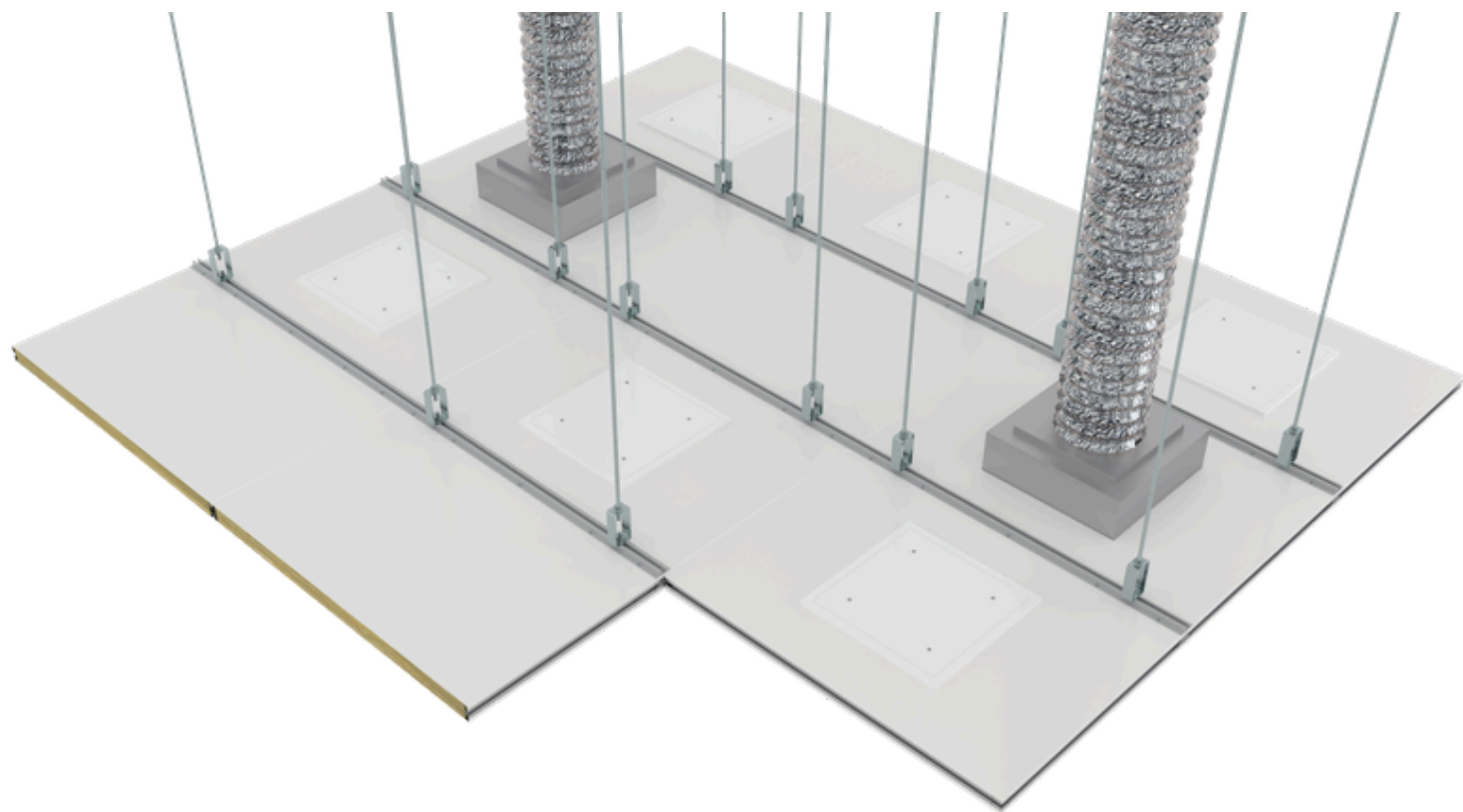
Ceiling Hanging Structure



Section View



CR-C50 SPECIFICATIONS



CR-C50	
Thickness	50mm
Width	980mm standard module for overseas market 1180mm standard module for China market
Structure	Sandwich tile constituted of 0.5mm thick PCGI steel sheets on both sides, factory-bonded to a composite core of 5mm magnesium board (inside face) and high-density rockwool (120 kg/m³).
Finishes	Powder coated galvanized sheet(PCGI)with a nominal coating thickness of 60–100 μm
Junctions	Ceiling tiles junction and hanging made with an aluminum profile, leaving a 3mm junction infilled with silicone caulking.
Density	19kg/sqm
Fire Reaction	A2
Loading Capacity	150kg/sqm

INTEGRATED CLEANROOM EQUIPMENT

The modular system accommodates a wide range of equipment including:



Pass Box



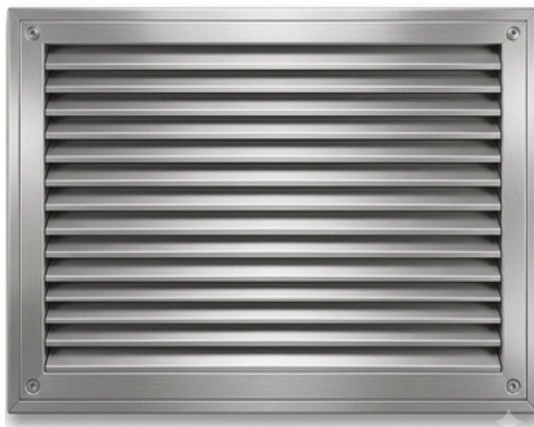
Dynamic Pass Box



Air Shower



Observation Window



Return Air Grille



Utility Panel



Equipment Interface



Corner Guard

APPLICATIONS

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Designed for Critical Industries

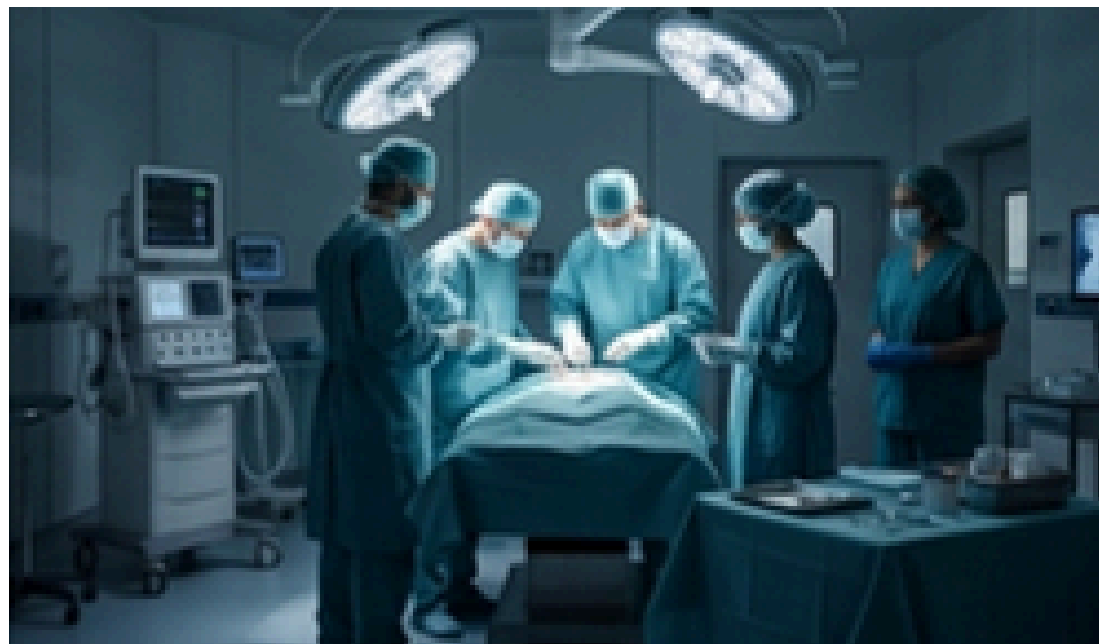
Cleanroom Solutions are trusted in the world's most demanding environments.



Pharmaceuticals, Biotechnology



Laboratories, Research Centers



Hospitals, Medical Devices



Semiconductors, Electronics



Food & Beverage, Cosmetics

REFERENCES

CLESTRA
Cleanroom



SHAPING ALL FUTURES

Build today to thrive tomorrow

OFFICE LOCATIONS

Clestra Korea | 11F DMC Digital Cube Building 34 Sangamsan-ro, Mapo-gu, Seoul, Korea

Clestra China | No. 3 factory, No.199 Wuyang Road, Chengxiang Town, Taicang City, Jiangsu Province, China

Clestra Japan | Akasaka HM Bldg. 3F 3-7-13 Akasaka, Minato-ku Tokyo, Japan

Clestra Hong Kong | Suites 1302 13/F 1063 King's Road, Quarry Bay, Hong Kong

Clestra Singapore | 60 Paya Lebar Road, #05-17 Paya Lebar Square Lobby 1, Singapore

Clestra India | Gat No-95/8, Village-Kuruli, Tal-Khed, Dist-Pune, India