

Cleanroom Systems

UltraTech Versatile

High Specification, Customisable, Cleanroom Systems



It's all in the grey cells...

POWERED BY
QuadCore™
TECHNOLOGY

A Breakthrough in Insulated Panel Core Technology for Enhanced Performance

QuadCore™ is Kingspan's new hybrid insulation core technology with a unique formulation that creates microcells with unrivalled thermal performance, superior fire protection and enhanced environmental credentials.

FM 4882

The Highest Level of Certification and Approvals

What's more, QuadCore™ is the first closed-cell insulated panel approved to FM 4882 for smoke sensitive occupancies. (Depending on panel choice, refer to specific datasheets)



Unrivalled Thermal Performance



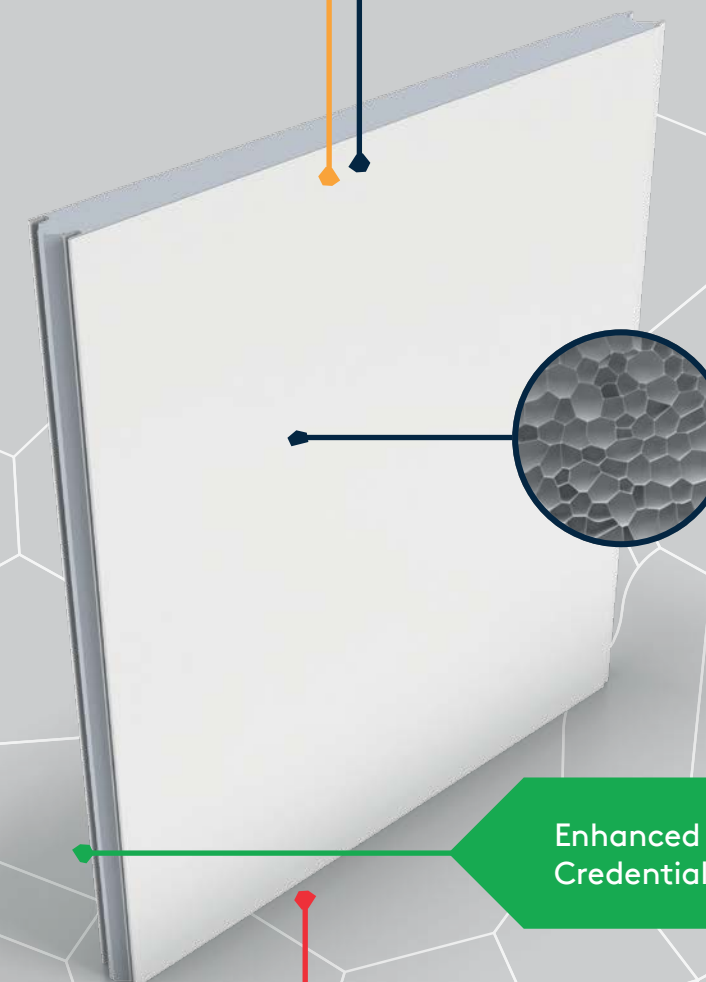
Longest Performance Guarantee



Enhanced Environmental Credentials

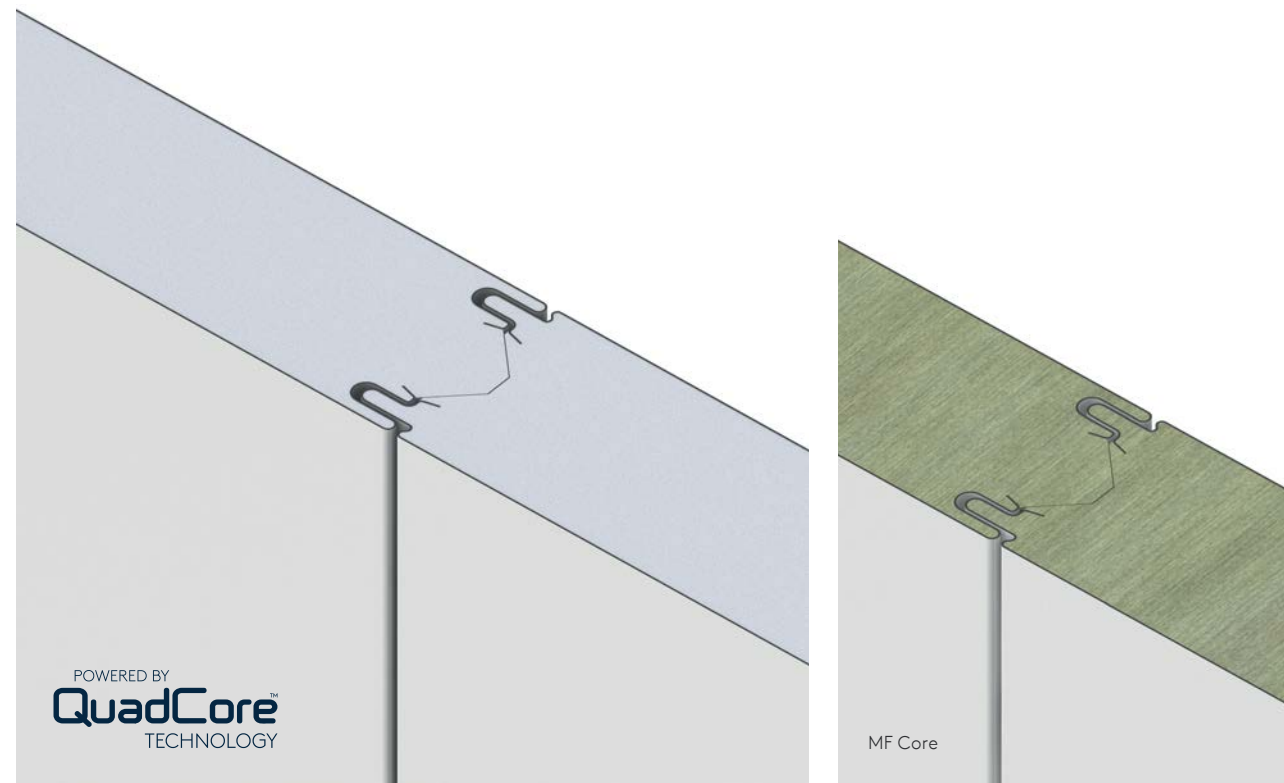


Superior Fire Protection



System Selection

The UltraTech range offers flexible, high performance, engineered cleanroom solutions that deliver both cost and operational benefits, minimising risk and maximising return on investment.



UltraTech Versatile

UltraTech Versatile is our NEW revolutionary hybrid cleanroom system that offers the client high performance solutions to fulfil their every aspiration for cleanroom systems at much lower cost than traditional methods.

With the option to choose either flush, semi-flush or combination of both elements, UltraTech Versatile removes the boundaries to provide totally flexible cleanroom design.

- Thickness: 50, 60, 80, 100, 125, 150, 175, 200 or 220mm.
- Panel length: up to 19.5m.
- Panel core: QuadCore™ (approved to FM 4882) or mineral fibre.
- Panel coatings: Kingspan CLEANsafe 25, 55, 120, 316 and Kingspan HYGIENsafe 150.

Note: The above technical information relates to QuadCore™ only, please relate to our datasheet for mineral fibre technical information.

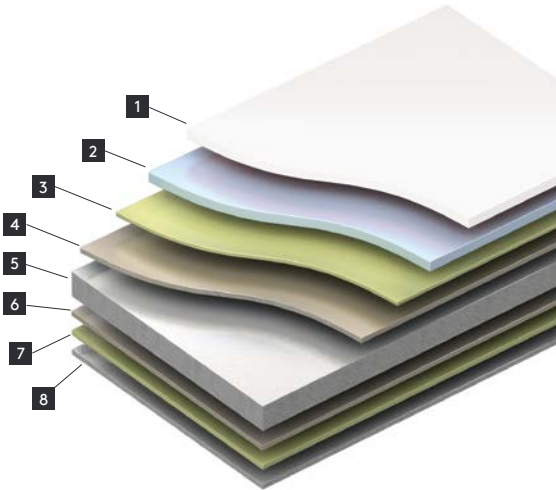


High Performance Coatings Internal Applications

Kingspan CLEANsafe 25

Kingspan CLEANsafe 25 is a chemically inert polyester (PE) coating, applied to pretreated metal, suitable for moderately aggressive internal environments.

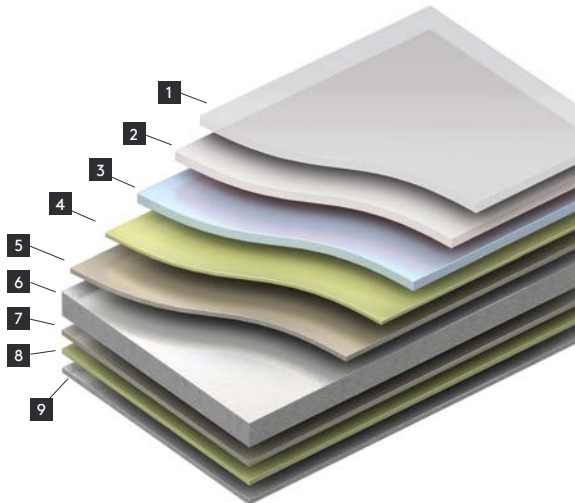
- 1 25µm polyester top coat
- 2 Primer
- 3 Pre-treatment
- 4 Metallic protection
- 5 Metal substrate
- 6 Metallic protection
- 7 Pre-treatment
- 8 Back coat



Kingspan CLEANsafe 55

Kingspan CLEANsafe 55 is a chemically inert colaminated polyethylene terephthalate (PET) film and polyester (PE) paint, applied to pre-treated metal, suitable for humid and chemically aggressive internal environments.

- 1 55µm PET film
- 2 Polyester
- 3 Primer
- 4 Pre-treatment
- 5 Metallic protection
- 6 Metal substrate
- 7 Metallic protection
- 8 Pre-treatment
- 9 Back coat

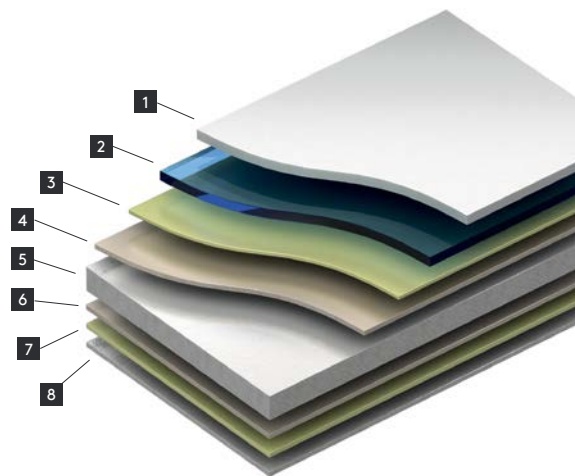


Kingspan CLEANsafe 120

Kingspan CLEANsafe 120 is a chemically inert polyvinyl chloride (PVC) film, laminated to pre-treated metal, suitable for internal for controlled environments.

Joints between panels can be either caulked or chemically cold-welded.

- 1 120µm PVC film
- 2 Adhesive
- 3 Pre-treatment
- 4 Metallic protection
- 5 Metal substrate
- 6 Metallic protection
- 7 Pre-treatment
- 8 Back coat



High Performance Coatings Internal Applications

Kingspan CLEANsafe Stainless steel 316L

Kingspan CLEANsafe Stainless steel 316L is a chemically inert, gap-free austenitic stainless steel, specifically designed for conditioned environments and environments with a high corrosion factor.

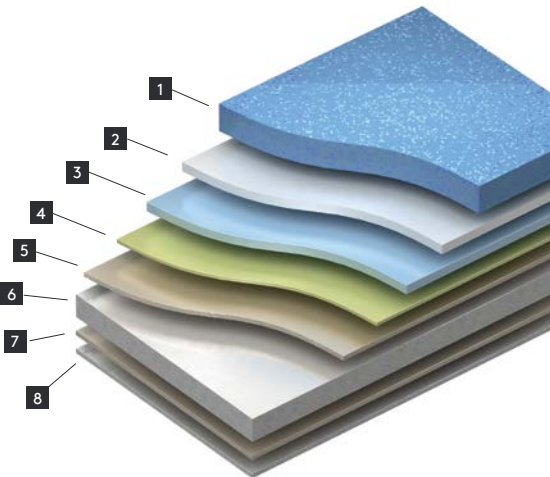


Kingspan HYGIENEsafe 150

Kingspan HYGIENEsafe 150 is a chemically inert polyvinyl chloride (PVC) film with antibacterial properties, laminated to pre-treated metal, suitable for internal for controlled environments.

Joints between panels can be either caulked or chemically cold-welded.

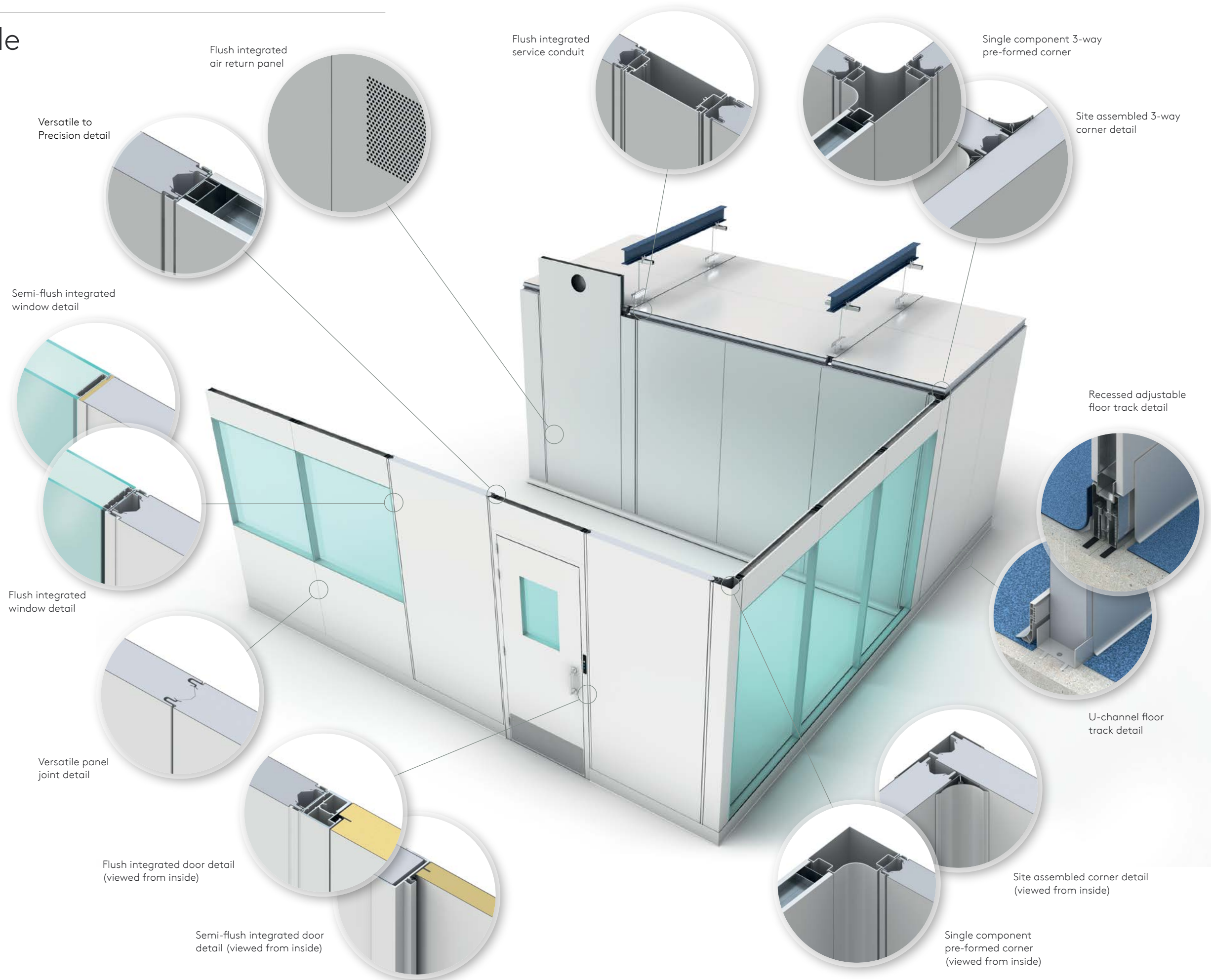
- 1 150µm PVC film
- 2 Adhesive
- 3 Primer
- 4 Pre-treatment
- 5 Metallic protection
- 6 Metal substrate
- 7 Metallic protection
- 8 Back coat



UltraTech Versatile

Why choose UltraTech Versatile?

- Unique fully flush hybrid system.
- Bespoke design flexibility combined with all the advantages of an insulated panel and its beneficial economies of scale
- Consistent high quality, factory engineered system
- Simple and fast construction
- Approved to FM 4882 for smoke sensitive occupancies (Dependent on panel choice. Please refer to product datasheets)
- cGMP compliant
- Interlocking tongue and groove joint system
- Integrated solution - doors, windows, corners, floor tracks, air return panels and other components
- Semi-Flush option provides slimmer ledges to achieve a superior aesthetic appearance compared to other equivalent systems
- Longer panel lengths - cleanroom heights over 6 metres
- HYGIENEsafe anti-bacterial coating option
- Ultra airtight system
- Wide range of CLEANsafe coating systems



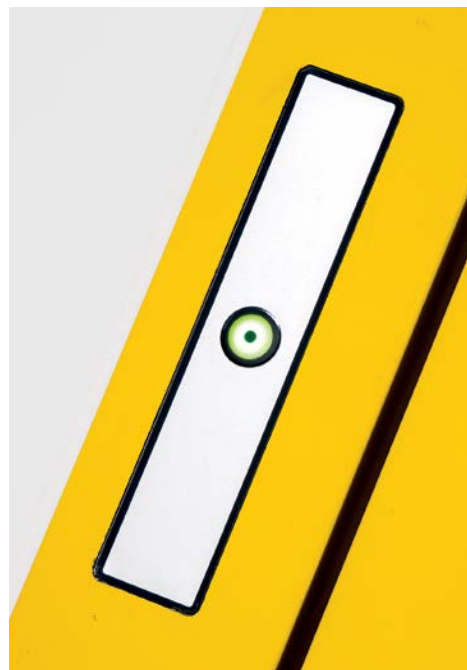
Cleanroom Systems

Features



Our high quality, innovative UltraTech cleanroom solutions are ideal for a wide range of sectors.

Contact our dedicated team to find out how we could help you.



UltraTech Versatile is a unique cleanroom system that provides complete design flexibility and high performance combined with unparalleled cost-efficiency.



Case studies



- ISO class 7
- Dimensions: ca. 250 m² (24m x 10.5m) x 3m int. height



- ISO class 7
- Dimensions: ca. 110 m² (10m x 11m) x 3m int. height

Case studies



LOA | FULL
SURFACE
GROUP

- ISO class 6 / 7
- Dimensions: ca. 130 m² (10m x 13m) x 3m int. height



BKL
Engineering

- ISO class 8
- Dimensions: ca. 540 m² (18m x 30m) x 4.65m int. height

Case studies



- ISO class 7
- Dimensions: ca. 85 m² (13m x 6.5m) x 2.9m int. height



- ISO class 7
- Dimensions: ca. 110 m² (10m x 11m) x 3m int. height

Contact Details



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