

## TripleAir 60-65 GEL Grid

The **TripleAir Gel grid** is a cleanroom ceiling designed as a heavy duty modular frame construction for both pressurised and non pressurised applications. It is suitable for cleanrooms Class 1 to 9 (ISO14644-1).

Designed as a walk-on ceiling grid using a frame construction with high deflection strength. It is formed from sections of 60mm wide aluminium extrusion; these are pre-cut to suit the desired grid dimensions. The cut lengths are bolted to precision die-cast corner joints to form a nodal system. The aluminium extrusion and die-cast joints are painted in matching colour. Alternative surface treatment is coated white RAL 9010



The **TripleAir 60-65 Gel Grid** is suitable for the installation of the following products:-

TripleAir Fan Filter Units.

HEPA/ULPA filters & TripleHood Filter Modules

Blank panels, walk on panels & acoustic panels

Integrated recessed luminaires

Teardrop luminaires.

Sprinkler heads (in the die-cast crossjoints)

Electrical conduit and media piping (in the die-cast cross joints)

The standard frame construction, in a nodal system, allows for grid modules of 600 x 1200, 600 x 900 & 1200 x 1200mm, however other grid sizes can also be provided.

## Clean Room Filtration and Lighting Technology

TripleAir Technology are suppliers of high quality HEPA and ULPA filtration, ceiling grid systems and luminaires for the clean room industry. We offer fully integrated ceiling solutions for projects and cleanroom facilities.

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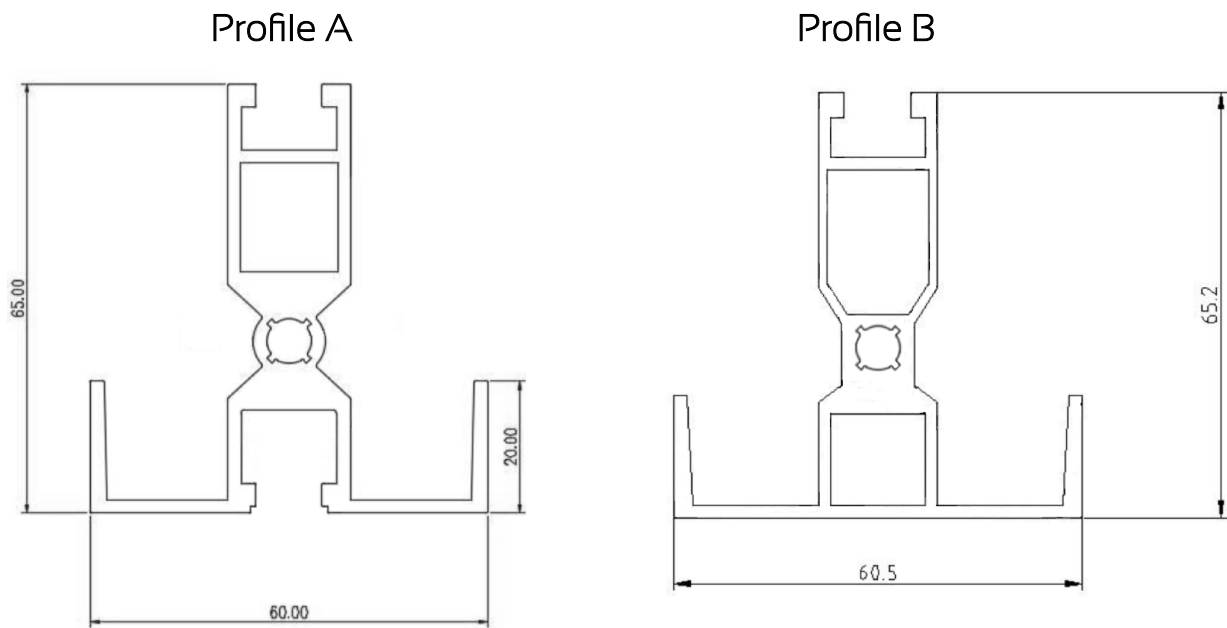
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[tripleairtechnology.co.uk](http://tripleairtechnology.co.uk)

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PROFILE TYPE: 60-65 Gel Grid	UNIT	SIZE
Standard Grid Dimensions	mm	1200 x 1200 600 x 1200 600 x 600
Height	mm	65
Width	mm	60
Weight-Grid profile	Kg/LM	1.4
Weight-Joints	Kgs	0.5
Design Surface Load	kN/M2	1.45
Design Hanger Centres	mm	1200

\* Above table for standard grid and support sizes



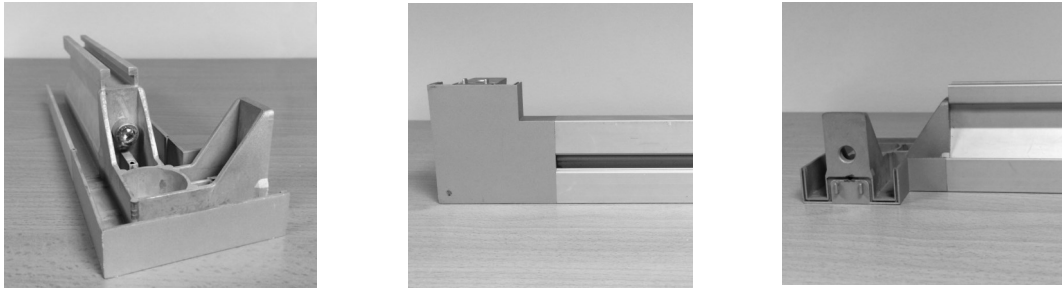
## Clean Room Filtration and Lighting Technology

Visit our website to view our full range of HEPA and ULPA filters, safe change units, fan filter units, ceiling grid systems and cleanroom luminaires.

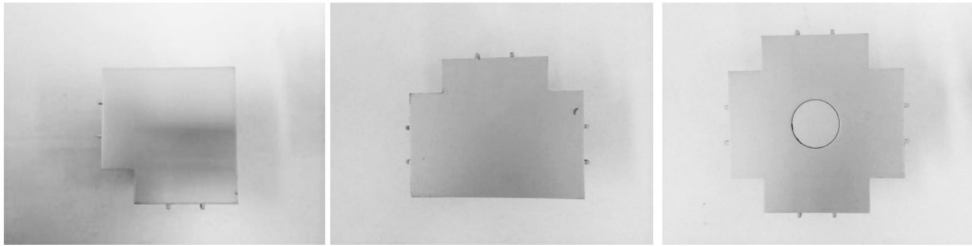
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## Joins and Connections

The extrusion profiles and the joints have an identical geometry, allowing for a tight connection and preventing uncontrolled particle deposition during installation, an epdm gasket profile is provided to fit on the joint between the connection piece and the aluminium profile which is then fixed with a front side screw connection ensuring an air-tight and particle-tight connection.



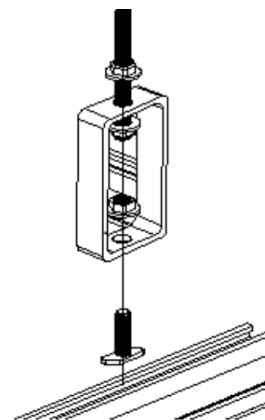
Joining pieces come as crucifix with 4 connections, T-joint with 3 connections and L-joint corner joint with 2 connections. All joints have penetrations suitable for conduit insert, sprinkler insert or a closed insert. All joining pieces are available as casting with and without penetration.



All ceiling elements such as fan filter units, filters and lay-in light fittings shall be installed from the deck of the ceiling grid, minimizing interruptions in the Cleanroom.

The grid comes with a 12mm wide and 28mm high channel on both sides, which is filled with a gel, which is applied on site. The gel forms an airtight, watertight vapour barrier fluid sealant to insure zero leakage in high efficiency filter applications. Filters are installed with a 20mm knife edge. Overall filter dimension is grid dimension minus 40mm.

Connection of suspension hangers can take place at any point in the extrusion, utilizing a half round drop-in nut, M10 threaded rod and turnbuckle, for connection to the support structure



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