

ESD Raised Access Floor Panels

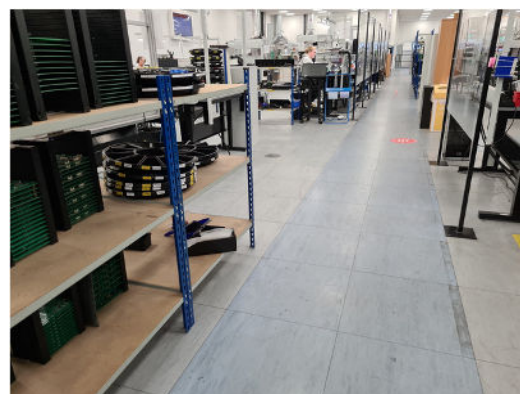
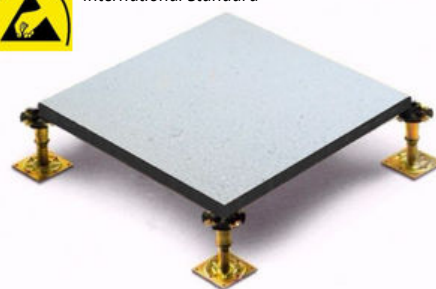
Description

Our ESD Raised Access Floor Panels are manufactured with a high density chipboard core with galvanised steel bonded to both surfaces. The raised floor panels give an elevated structure above a solid flooring layer to provide a hidden void suitable for the routing of electricals or plumbing. The top surface of the panel is bonded with Sphera SD vinyl and the edging of the panel is constructed with a protective ABS band on all sides. The Sphera SD vinyl allows for consistent static dissipation, ensuring full ESD protection. The edge of the panel offers better tightness of fit between the interconnecting panels, providing a firm, airtight seal for an air plenum. They are guaranteed to comply with the electrical requirements of IEC 61340 and BS EN 61340-5-1. The panels have undertaken full electrical testing and certification to this Standard and must be tested annually.

ESD Raised Access Floor Panels allow for wiring, cables, ventilation, and plumbing to neatly run underneath the floor. The panels can be supplied with pre-cut holes to house power sockets, ventilation, or any other accessory required. The panels can be fabricated with other ESD vinyls such as Colorex EC, a more conductive option, as the wear surface.



Compliant according to IEC-61340-1-5
International Standard



Panel Technical Specifications

Panels measure 600 x 600mm in size and meet IEC 61340 and BS EN 61340-5-1 Standards. To ensure controlled electrical leakage resistance, through to the in-situ pedestals via a conductive pad, the panels are made to exacting tolerances. All panels are electrically connected to ensure controlled leakage resistance across the floor surface. Panels vary between two grades; Medium Grade and Heavy Grade. Medium Grade Raised Access Floor Panels are 33mm thick with a distributed load > 8kN / sq. m. Heavy Grade Raised Access Floor Panels are 42mm thick with a distributed load > 12kN / sq. m.



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Pedestals

Alongside our ESD Raised Access Floor Panels, we have a range of adjustable-height pedestals that are available. These pedestals conform to the performance requirements of both BSEN and PSA specifications and are available in the void height options from 4cms to 200cms. The pedestals can be fixed to the subfloor in two ways; using an adhesive or mechanically fixed to the slab. Locating lugs on the pedestal head ensure correct panel seating with the additional option of screw fixing for additional rigidity. Stringers may be attached to the pedestals where additional lateral stability is required or where floor heights exceed 60cms. These stringers will improve lateral stability and rigidity but will not affect load-bearing performance or electrical properties. Raised Access Flooring Panels can be supplied to fit existing pedestals, or we can supply and install complete raised flooring systems with new pedestals.

Key Features

- ⚡ New ESD panels can be supplied to fit existing pedestals or we can supply and install the complete system.
- ⚡ Meets IEC 61340 and BS EN 61340-5-1 Standards.
- ⚡ Excellent and permanent ESD performance.
- ⚡ Panels measure 600 x 600mm in size.
- ⚡ Panel thickness options include: 33mm thick (medium grade) or 42mm thick (heavy grade).
- ⚡ Full UK fitting service available with Bondline, if required.
- ⚡ Wide range of colours available.
- ⚡ Durable and very hard-wearing.
- ⚡ Full electrical testing and certification provided.
- ⚡ Easy to ground.
- ⚡ Panels can be easily lifted if required for access.
- ⚡ Can be used in electronics manufacturing, server rooms, computer rooms, data centres, printing, etc.
- ⚡ Cables, wiring, ventilation, and plumbing can neatly run underneath the floor.
- ⚡ Panels can be supplied with pre-cut holes to house power sockets, ventilation, or any other accessory required.
- ⚡ Due to no screed or priming required to level the floor, the installation time is reduced meaning less down time.

Application Areas

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|------------------|-----------------------------|----------------|
| ⚡ Server rooms | ⚡ Electronics manufacturing | ⚡ Printing |
| ⚡ Computer rooms | ⚡ Data centres | ⚡ Laboratories |

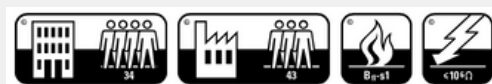


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Sphera SD Panels

Sphera SD panels are a homogeneous vinyl floor covering with static dissipative properties. Dissipative chips have been added to the panels to provide consistent, reliable performance. The panel's mat surface is embossed with clean sabbia to ensure easy cleaning.

Why choose Sphera SD homogeneous conductive vinyl?



- The surface layer is resistant to stains and scratches.
- Conductive adhesive is not required underneath the full sheet, only to affix the copper strip. Reduces installation costs and risks of installation errors.
- Sphera SD performs regardless of the humidity level of the area.
- The panel is manufactured in a zero waste environment, ensuring efficient and sustainable manufacturing.
- The sheet format requires less welding, ensuring the highest hygienic properties.
- Extremely low emissions and outgassing.
- Permanent static dissipative flooring which complies with all ESD standards.

Sphera SD Panel Colour Options





Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary, no obligation advice by speaking with one of our technical experts today.

