



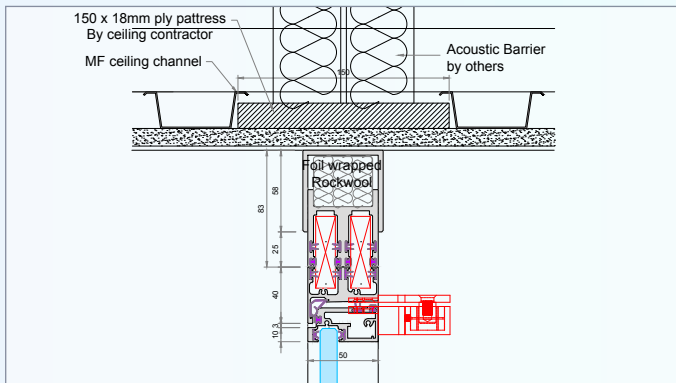
Silence 50
Single Glazed Partitions

Product Overview

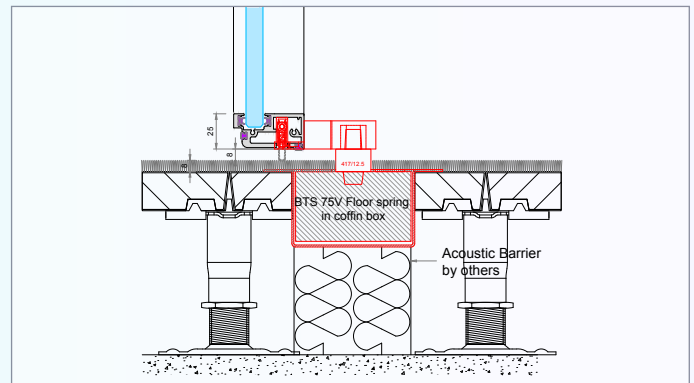


- Single-glazed partition, providing great acoustic performance and design
- Acoustics up to 41dB
- Maximum height up to 3700mm
- +/-15mm to +/-40mm deflection head (exposed or recessed)
- Multiple base track and abutment track sizes from 20mm to 95mm
- Glass thickness ranging from 6mm to 16.8mm, with toughened, laminated and acoustic laminated glass options available

Section Details & Elevation

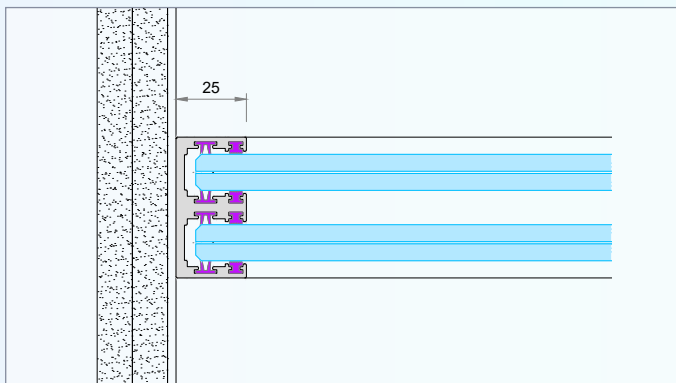


Single Glazed Pivot Door +/- 25mm Deflection

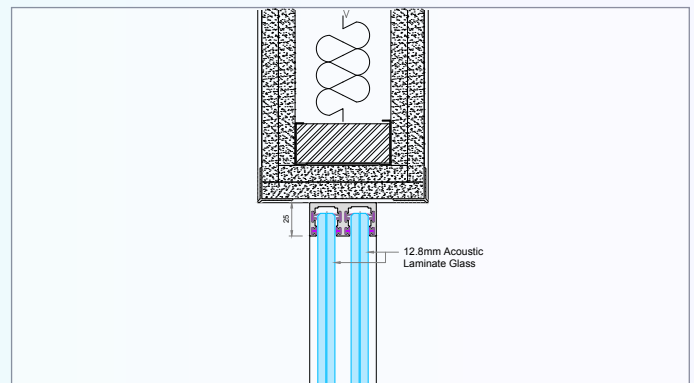


Single Glazed Floor Track

Abutment Options

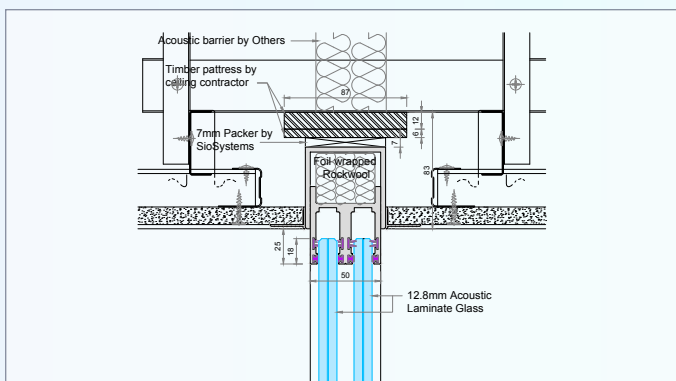


25mm Abutment



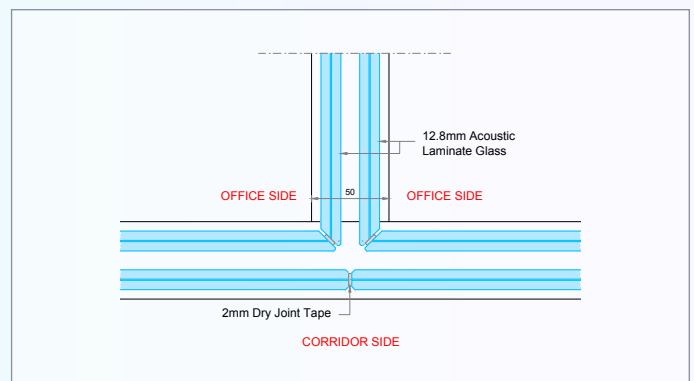
Surface Mouted Abutment to Drywall Fairend

Head Detail Options



Recessed Deflection in Ceiling +/- 25mm

3-Way Glazed Fin



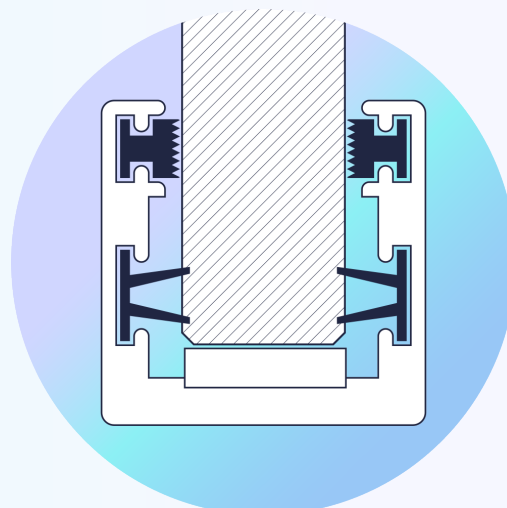
Silence 50 Return Fin

Technical Data	
Glazing Type	Full height with 2 layers of acoustic laminated glass
Head Detail	Surface Mounted Deflection Head: • No Deflection: 25mm deep x 25mm wide Aluminium Channel • ± 15mm Deflection: 73mm deep x 25mm wide Two Part Aluminium Channel • ± 25mm Deflection: 83mm deep x 25mm wide Two Part Aluminium Channel Recessed Deflection Head: • ± 15mm Deflection: 15mm Visible Aluminium Channel • ± 25mm Deflection: 25mm Visible Aluminium Channel <i>Coordination required with ceiling contractor</i>
Base Detail	Surface mounted aluminium U channel screw fixed: • 25mm deep x 50mm wide as standard – larger base details available
Deflection	± 15 mm to ± 40 mm deflection head (exposed or recessed)
Glass Thickness	6mm to 16.8mm
Maximum Height	Standard system heights are up to 3000mm, however they can increase to up to 3700mm high with the introduction of a horizontal transom bar
Acoustic Rating	30dB Rw to 41dB Rw
Door Options	Compatible with pivoting doors from: Fulcra® Framed Glazed, Fulcra® Double Glazed, Fulcra® Frameless and Arba Timber

SioSeal, our patented modular system

Our patented SioSeal systems deliver market-leading acoustic and structural performance. Featuring wider profiles for enhanced stability, the innovative double-seal design is applied at the head and all vertical abutments. Available in both single and double glazed configurations, SioSeal improves sound insulation without the need for thicker glass.

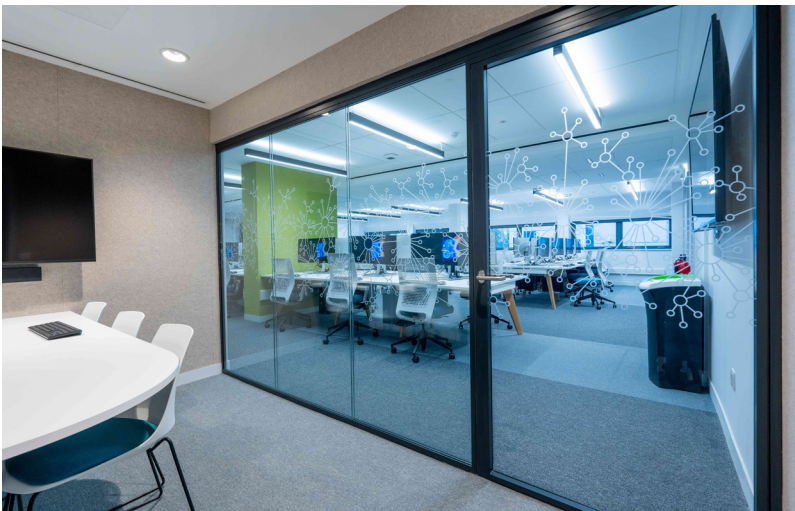
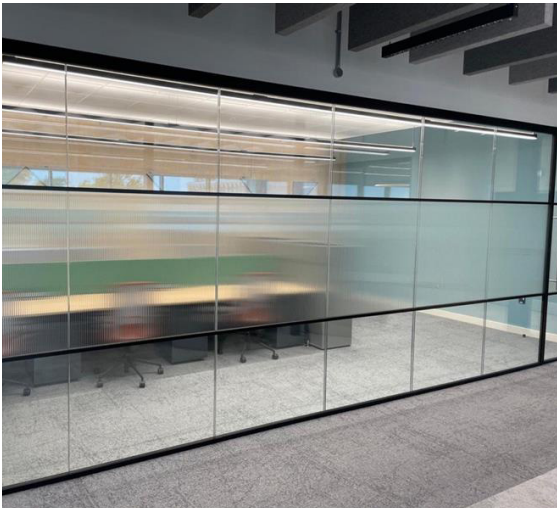
- Acoustically Driven
- Patent Protected
- Fully Extruded
- Increased Acoustics without Increasing Glass



Project Installations



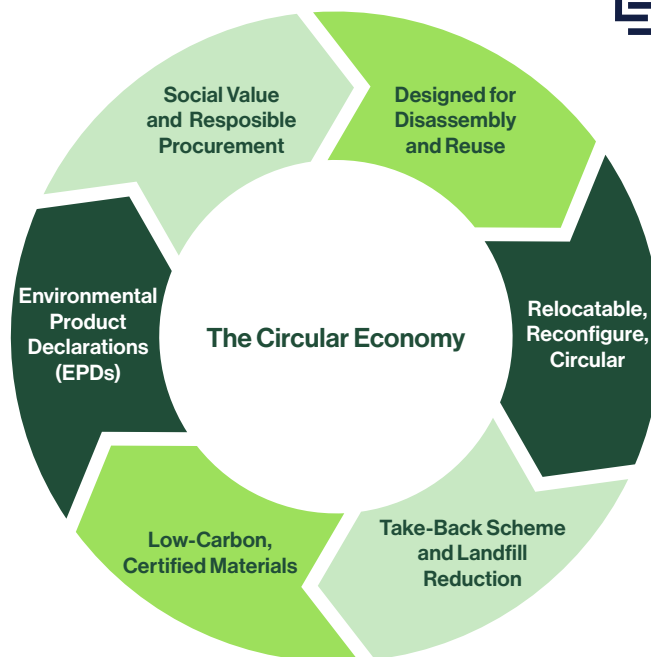
This gallery showcases a range of our project installations.



Our Commitment to The Circular Economy and Sustainability



SioSystems is a proud British manufacturer of high-performance, sustainable glazed partition systems, designed to minimise environmental impact through responsible sourcing, local manufacturing, and efficient logistics, creating lasting value.



Designed for Disassembly and Reuse

Our systems are designed for easy disassembly, enabling components to be removed, relocated, reused, or repurposed with minimal waste. This ensures flexibility for changing environments and reduces the environmental impact of refurbishment or deconstruction.



Relocatable, Reconfigurable, Circular

SioSystems partitions are fully relocatable, supporting circular building strategies where materials remain in use for longer, reducing the demand for new materials and supporting sustainable interior design and fit-out.



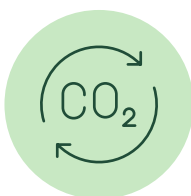
Take-Back Scheme and Landfill Reduction

Working with our suppliers, we operate a dedicated take-back scheme for used components, ensuring they are either refurbished for reuse or recycled responsibly. This directly reduces landfill waste and supports a closed-loop system, consistent with our commitment to zero landfill operations wherever possible.



Environmental Product Declarations (EPDs)

Where available, our products and core materials are supported by EPDs, providing verified data on environmental impacts, including Global Warming Potential (GWP) and embodied carbon essential for BREEAM, LEED, SKA, and WELL certifications.



Low-carbon Glass

Our glass components are manufactured using cullet glass recovered from pre-consumer and post-consumer end-of-life windows and façades. Low embodied carbon glass with higher levels of recycled content is also available.



Low-carbon Aluminium

Our aluminium profiles are manufactured using recycled billets containing between 67% and 100% post-consumer scrap. This scrap comes from aluminium products such as windows, doors, façades, and balustrades that have reached the end of their useful life and are repurposed into raw materials.

Accreditations



SioSystems has a comprehensive portfolio of industry recognised accreditations, each demonstrating our compliance with rigorous quality, safety, and environmental standards. These certifications validate our technical capability and ensure we are fully equipped to support the successful delivery of your project.



Compliance



Glass Manifestation

SioSystems offers a full supply and installation service for manifestation graphics that meet current building regulations. In particular, the Building Regulations 2000: Part M which outlines requirements for glass entrances and screens to ensure safety, visibility, and accessibility in public and commercial spaces.



Toughened Glass

Toughened glass is used in Silence partition systems primarily for its enhanced strength and safety, making it less prone to breaking and more resistant to damage in high traffic areas. If it does break, toughened glass shatters into smaller, less dangerous pieces than standard glass. Our toughened glass is manufactured to BS EN 12150.



Acoustics

All our systems are independently acoustically tested in a laboratory to UKAS testing standards. Laboratory Measurement to BS EN ISO 10140-2 : 2010 Airborne Sound Insulation of Building Elements. Certificates are available upon request.

The Art of Silence

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