

METADOR



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ACOUSTIC

Defender Soundguard

Acoustic rated steel doorsets

Designed to reduce sound transmittance and keep your premises totally secure, Soundguard can be fully customised to meet your acoustic requirements.

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The Defender Soundguard is designed to reduce sound transmittance for many external and internal applications. It is available in almost any size and is manufactured to suit the customer requirements. It has been designed to block sound up to Rw42dB.

Over panels / Side panels

Over panels and side panels can be incorporated, both fixed and removable for maximum access. Panels can be single or double glazed, or solid to match the door leaf.

Door Leaf

Manufactured from two 1.5mm galvanised steel skins, folded and mechanically fixed to form a strong and rigid door leaf, filled with a variety of acoustic cores. Anti-jemmy flanges to the leading edge of the leaf provide excellent jemmy resistance.

Frame

Frames are pressed from 2mm galvanised steel to form a single rebated profile. Profiled headers form a smooth butt joint with the vertical posts and are joined together utilising strong M8 bolts to provide positive rigidity. The special fast fit frame is able to compensate for most irregularities in the opening with 16no threaded fixing adjusters per doorset. They permit a tolerance of up to 18mm on each side of the door. Shims and packers are not necessary making an extremely secure fix.

Seal

A variety of different acoustic perimeter seal systems available to meet your sound reduction requirements.

Soundguard Level

Rating (dB)

1	30-32
2	32-38
3	38-40

Structural opening sizes (mm)*

	Max width	Max height
Single leaf	1470	2970
Double leaf	2860	2970

* Based on a 33mm wide frame. For oversized doors, please enquire.

Thresholds

DDA compliant 2mm stainless steel threshold bolted into the vertical frame posts. Available in outward opening, inward opening and ramped. An auto drop-seal is added for sound reduction for certain sound levels.

Hardware

Door leaves are hung from a minimum of 4no stainless steel hinges for smooth operation and optimum weather resistance. Security dog bolts secure the leaf into the frame if the hinges are attacked. Additional hardware includes a range of locks, latches, lever handles, panic hardware, closers and door restrictors. On double doors, lever-action flush bolts can be installed within the leading edge of the inactive door leaf.

Finish

Powder coated to any RAL or BS standard and marine-grade option available if required.

Vision Panels

A full range of vision panels with acoustic glass with varying sound reduction levels.

Acoustic Door Louvres

Varying sizes of acoustic louvres are available. In acoustic tests, our acoustic louvre has achieved a range of values up to Rw32dB.