

METADOR



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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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Acoustic



Fire Rated



Thermally Rated



DDA Compliant

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.

Door Leaf

- Anti-jemmy flange on the leading edge
- 1.5mm galvanised steel (upgrades: 2.0mm galvanised or 1.5mm stainless steel, 304/316)
- Weld-free construction prevents premature failure
- Mineral wool core with internal strengtheners

Frames

- 90mm single rebate frame in 2.0mm galvanised steel (stainless option available)
- Custom dimensions and alternative profiles (double rebated, face-fixed, ModuleX integral cloaking and more)
- Bolted corners for strength
- Threaded adjusters for easy installation (16+ fixings). Optional plain fixing plates
- 3mm steel hinge brackets. Insulated frames available.

Thresholds

- Standard DDA-compliant chamfered profile in 2mm stainless steel
- Options: raised/extended cills, inward-opening profiles with drainage, 4mm ramped design
- Integrated removable thresholds available.

Soundguard Level

Rating (dB)

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

Structural opening sizes (mm)*

	Max width	Max height
Single leaf	1470	3800
Double leaf	2860	3800

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

Seals

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

Hardware

- Stainless steel ball bearing hinges (4+ per door, with security dogbolts)
- Upgrade options: concealed bearings, special finishes, fully concealed, heavy-duty continuous hinges
- Extensive hardware range: locks, latches, handles, panic hardware, closers, and stays. Custom hardware integration available.

Fire Rated Option

Fire ratings up to 120mins available as an upgrade with Defender Soundguard level 1.

Thermal Performance

Standard U-value: 2.2 W/m²K (upgradeable to 1.4 W/m²K with Thermaguard Technology).

Acoustic Rating

A number of acoustic rated levels available, see table for details.

Vision Panels/Louvres

- A full range of glazing options available to be incorporated with varying sound reduction levels
- Acoustic louvres of various sizes can be incorporated achieving up to Rw32dB

Finishes

- Powder coated in any RAL colour (marine-grade option available)
- Special finishes: textured, metallic, and woodgrain effects for a premium look.