

METADOR



Defender Thermaguard Thermally efficient steel doorsets

Defender Thermaguard is independently accredited to provide a value as low as 1.4 W/m²K for a single doorset.



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Thermally Rated



High Security



Internal or External Use
Fire Rated



Acoustic



DDA Compliant

The Defender Thermaguard doorset has been developed to meet the increased demands for energy-efficient buildings as part of a greener future.

The Defender Thermaguard doorset uses a range of design innovations that reduce the U-value of a typical single doorset to as low as 1.4 W/m²K, meeting the latest requirements of the Building Regulations Part L in England, Scotland and Wales. Defender Thermaguard is accredited by a UKAS approved company as defined by the requirements of BS EN 10077-2:2017.

Door Leaf

- Anti-jemmy flange on the leading edge (square edged option available)
- 1.5mm galvanised steel
- Weld-free construction prevents premature failure
- Mineral wool core with internal strengtheners
- 60mm depth minimum door leaf to achieve a U-value of 1.5 W/m²K
- 70mm depth minimum door leaf to achieve a U-value of 1.4 W/m²K.

Frames

- 110mm depth minimum door frame to achieve a U-value of 1.5 W/m²K
- 120mm depth minimum door frame to achieve a U-value of 1.4 W/m²K
- Bolted corners for strength
- Threaded adjusters for easy installation (16+ fixings). Optional plain fixing plates
- 3mm steel hinge brackets.

Thresholds

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

Seals

Tubular silicone rubber seal bonded into frame for optimal weather, thermal, and acoustic performance.

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 for internal or external use up to 120mins are available as an upgrade with this doorset.



Thermal Performance

1.5 W/m²K or 1.4 W/m²K values achievable with this doorset, dependent on requirements.

Acoustic Option

Acoustic rated option available.

Vision Panels

- Custom-sized vision panels to meet requirements
- Triple glazed options with privacy films, obscure or patterned glass.

Over Panels & Side Panels

- Removable overpanels/transoms: Ideal for periodic access (e.g. large machinery)
- Glazed panels: Triple glazed with weathertight wedge-gasket seals.

Finishes

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

