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Defender Thermaguard Thermally efficient steel doorsets

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



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METADOR



Thermally Rated



High Security



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 (upgrades: 2.0mm galvanised or 1.5mm stainless steel, 304/316)
- Weld-free construction prevents premature failure
- Mineral wool core with internal strengtheners (chipboard upgrade for added strength)
- 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 adjustors 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
- Integrated removable thresholds available.

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 up to 120mins available as an upgrade with this doorset.

Thermal Performance

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

Acoustic Option

Acoustic rated option available (requires automatic drop seal).

Vision Panels

- Custom-sized vision panels to meet requirements
- Triple glazed options with privacy films, blinds, and obscure 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.

