

TUFF-DOR

LPS 1175 certified steel security doors



**STEEL DOORS
FOR THE
REAL WORLD**

MDR-001
Rev B

TUFF-DOR2.1

Tested to
LPS 1175 SR2

TUFF-DOR3

Tested to
LPS 1175 SR3

TUFF-DOR4

Tested to
LPS 1175 SR4



ROBUST

Steel Door Solutions

Scandinavian design. Manufactured in Britain



TUFF-DOR

LPS 1175 Certified Steel Security Doors

TUFF-DOR is a fully certified LPS 1175 security doorset designed to offer an enhanced level of security for a wide range of premises, from domestic or light commercial premises through to those at high risk of attack by experienced intruders.

The doors are specially constructed to individual project requirements and each door has internal reinforcement designed to resist sustained attack from a wide range of tools.



> VERSIONS

We offer three versions – each providing increased security:

TUFF-DOR 2.1

Tested to LPS 1175 SR2
 Up to **3 minutes** of resistance to opportunist attempts at forced entry of protected premises using a range of mechanical tools including: screwdriver, levers, spanner, bolt cutters, claw hammer, drill, shears, etc

TUFF-DOR 3

Tested to LPS 1175 SR3
 Up to **5 minutes** of resistance to determined attempts at forced entry of protected premises using a wide range of tools including: cordless tools, short axe, cold chisels, crow bar, brick bolsters, gas torch, etc.

TUFF-DOR 4

Tested to LPS 1175 SR4
 Up to **10 minutes** of resistance to experienced attempts at forced entry using a wide range of tools including: high powered cordless tools, felling axe, sledgehammer, power drill, disc grinder, jigsaw, etc.

> DOOR LEAF

Production Sizes:		All TUFF-DOR doors are custom made.		
Single Doors Latched:	Max Width mm	1390	1300	1300
	Max Height mm	2920	2500	2500
Double Doors:	Max Width mm	2500	2500	2500
	Max Height mm	2920	2500	2500
Thickness:	mm	55	59	61
Material:		Magnelis	Aluzinc	Aluzinc
Infill:		Honeycomb/Mineral Wool	Solid Timber	Solid Timber
Construction:		Mechanically fixed	Welded	Welded
All TUFF-DORs contain additional internal reinforcement in strategic locations to enhance attack resistance.				

> DOOR FRAME

Frame width:	mm	95	115	115
Material:		Magnelis	Aluzinc	Aluzinc
Construction:		Bolted	Welded	Welded

Profile:



> SITE INSTALLATION

		<u>TUFF-DOR2.1</u>	<u>TUFF-DOR3</u>	<u>TUFF-DOR4</u>
Strike:	mm	4	3	3
Hinge:	mm	4	13	13
Meeting Stile:	mm	5	5	5
Head:	mm	3	3	3
Floor:	mm	7	5	5

NOTE: For the doors to operate correctly it is imperative that the clearance at both the strike side on single doorsets and meeting stile on double doors is achieved and maintained as detailed in the table below.

> MANUAL HANDLING

While the TUFF-DOR 2.1 leaves, weighing approx 100kg, can be manually handled with a minimum of 4 operatives on site, all other doors in the range require mechanical means to distribute and install.

> WALL CONSTRUCTION

The opening must be fully formed from a material with sufficient composition strength to withstand a minimum load/fixing of 7N/nm² (such as concrete or brick). Aerated concrete is NOT RECOMMENDED and hollow brick / block should only be considered if suitably backfilled with materials that will provide adequate strength (7N/nm²) to take the frame fixings

> VISION PANELS

A limited range of vision panel and louvre options are available in tested configurations



> LOUVRES AND GRILLS

All louvre and grill options can be used with double door sets.



*Not permitted with panic hardware



> TUFF-VENT

Certified to PAS 24* and approved by Secured by Design, our TUFF-VENT doorset offers the maximum free airflow whilst maintaining strength and security. A standard 2mm galvanised steel louvre vane is used throughout, welded at every junction for additional strength. Side panels and overpanels can also be manufactured to make up large openings where large doors may be impractical.

When calculated on a 1000mm x 2100mm over frame door, the Robust TUFF-VENT achieves a free area of 55% (based on the area of the louvres only, this equates to 72%). Robust TUFF-VENT doors are fully CE compliant and can be polyester powder coated in a standard range of colours.

*Please note our TUFF-VENT doors are certified to PAS 24 but are not available certified to LPS1175.



Robust **design.** Robust **guarantee.** Robust **quality.**

**> MADE TO MEASURE**

All steel doors are made to order at our UK factory, are available in a wide range of heights and widths to suit any requirement, and are delivered fully assembled.

**> MADE IN BRITAIN**

Scandinavian design that's proudly engineered and manufactured in Britain.

**> MODERN DESIGN**

ROBUST doorsets are available polyester powder coated and the door blade can be patterned in a range of designs. We can also offer specially finished woodgrain PPC on request, which combines the traditional look of timber with the modern durability of steel.



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Individual specifications may vary as Robust conduct a policy of continuous product development.

ROBUST

Steel Door Solutions

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