

# TUFF-DOR 3.1 & 4.1

## ROBUST

### DATA SHEET

#### LEAF

Thickness:	66mm.
Material:	1.5mm Zintec (stainless steel or Magnelis® options for 4.1).
Infill:	Honeycomb or mineralwool.
Construction:	Two 1.5mm sheets mechanically fixed together, by bonding two steel skins to the core.  Internal plating to suit locking requirement.
Opening:	Single: inward & outward. Double: 3.1 - inward & outward. 4.1 - outward only.

#### FRAME

Profile:	110mm single rebate.
Material:	3.1 - 1.5mm Zintec. 4.1 - 2.0mm Zintec.
Infill:	None.
Hinges:	126mm lift off hinges or grade 13 butt hinges.  6 hinges per leaf. 9 hooked dog bolts per leaf.
Frame Extensions:	3mm chassis system (no adjusters).

#### CONFIGURATIONS

	TUFF-DOR 3.1	TUFF-DOR 4.1
Vision Panels	Width x Height 203 x 356mm 203 x 762mm 457 x 457mm	274-508mm (w) x 427-833mm (h)  LPS1270 laminated security glass
Louvres	Punched and/or bladed cartridges	Surelock Max Air XA4 panels
Side Panels	Not available	Yes - fixed
Over Panels	Yes - fixed or removable	Yes - fixed or hinged
Hardware	Manual Automatic Emergency escape Electronic lock Passive leaf fitted with heavy duty tower as standard. Range of door closers & limit stays available - ask for details.	
Leaf & a Half	Yes - min passive leaf width 400mm	No

#### STRUCTURAL OPENING

	Min width	Max width	Min height	Max height
Single	600mm	1430mm	1000mm	2930mm
Double	900mm	2600mm		

#### CERTIFICATION

Security:	LPS 1175 Issue 7. TUFF-DOR 3.1 = SR3. TUFF-DOR 4.1 = SR4.
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#### WARRANTY

Leaf & frame:	1 year.
Hardware:	Manufacturer's standard warranty.