PW2

SECURE PARTITION WALLING SYSTEM

1. Configuration

- Straight walling system with or without over panels. Supported by existing adjacent walls and ceiling

2. Min/Max Structural Opening Sizes

- Minimum: 400mm wide x 600mm high
- Maximum: unlimited width and height

3. Options

- Fixed or removable panels, mullions and transoms
- PS2 outward opening steel security doorsets with or without hinged over panels and removable transoms
- Vision panels. Unit size range: 170mm to 1100mm wide & 170mm to 1400mm high
- Louvre vents with or without insect/vermin mesh. Unit size range: 125mm to 900mm wide & 125mm to 900mm high
- Joint seal for enhanced weather and thermal resistance to external applications

4. Panel Construction

- Panel thickness: 45mm
- Minimum panel size: 400mm wide x 350mm high
- Maximum panel size: 1600mm wide x 3275mm high
- Outer skin material: 1.2mm thick Magnelis® corrosion resistant steel or Grade 304 or 316 stainless steel
- Internal reinforcement material: attack resistant armoured steel
- Core material: impact resistant honeycomb, high-density mineral wool or polyurethane foam
- Panel weight with honeycomb infill: approx. 40 kg/m²

5. Frame Construction

- Frame profile: single or double rebate
- Minimum profile size: 100mm x 70mm
- Frame material: 1.5mm thick Magnelis® corrosion resistant steel or Grade 304 or 316 stainless steel
- Assembly method: butt jointed and bolted corners

6. Fixing Method

- 2nd fix between structural opening reveals
- Shimmed or jacking channel frame fixing system options
- Suitable wall construction materials: brickwork, blockwork, concrete, steel or timber

7. Finishes

- Polyester powder coat to a range of standard or bespoke colours. 30% gloss level
- Brushed, polished or patterned stainless steel

8. Certification

- LPS 1175: Issue 8 Security Rating Classification B5 (SR2) Certificate No. 1570c
  See: https://www.redbooklive.com/download/certs/1500-1599/C1570c-01%20TS%20Designs%20Ltd.pdf
- Secured by Design product listed and accredited
- Thermal transmittance (U-values) certified in accordance with EN ISO 10077-1: 2017 U-value for walling system: 3.0 W/m²·K
- Integrated external doorsets CE marked in accordance with external door standard EN 14351-1: 2006 & A2: 2016
- Quality Management System certified to EN ISO 9001: 2015   Certificate No. 11955
- Environmental Management System certified to EN ISO 14001: 2015 Certificate No. 2993
- Occupational H&S Management System certified to EN ISO 45001: 2018 Certificate No. 1466

LPS 1175: Issue 8
Cert/LPCB ref. 1570c

TS DESIGNS LIMITED

Unit 5 The Gateway Centre, Cressex Business Park, High Wycombe, Bucks, HP12 3SU

+44 (0) 1494 976976 | enquiries@ts-designs.com | www.ts-designs.com