



Technical information

# PURe<sup>®</sup> SLIDE

## lift & slide door system

**PURe<sup>®</sup>**  
DOOR SYSTEMS

## Scope

The PRe® SLIDE lift & slide doors has been designed to meet current and future building regulation, with impressive U values and thermal performances. PRe® is an evolved generation of aluminium door systems manufactured in the UK. They combine the long life and low maintenance of powder coated aluminium externally with a patent pending high insulation PUR foam thermal barrier. PRe® lift & slide doors are capable of accepting glazing up to 52mm thick depending on weight.

## Materials

- All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008 or BS EN 12020-2.
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- Gaskets are manufactured in accordance with BS373.

## Finishes

PRe® lift & slide door sections are available typically in two finishes.

- Polyester Powder Coating to BS EN 12206:2004 Part 1 – painted in house. Surface finish at 40 microns standard, or enhanced to 60 microns for marine environments, in accordance with ISO 9001, ISO 14001 and ISO 18001.
- Anodised finishes are to BS3897: 1991 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.

## Construction

PRe® is constructed using mitred corners, joined with crimped or mechanical cleats; alignment chevrons assist in clean, accurate mitres.

A proprietary sealant is used on all metal joints in line with good practice.

## Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 standards.

PRe®, when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification) can offer significant benefits. For project specific assistance, please contact our specification team.

## Weather Rating

Tested to BS6375-1, BS6375-2 and BS6375-3

Patent Pending Number  
1500459.1

## Typical\* sizes

|  |        |
|--|--------|
| Max Door Leaf Width                      | 3005mm |
| Max Door Leaf Height                     | 2916mm |
| Max Outerframe Width                     | 6000mm |
| Max Outerframe Height                    | 3000mm |
| Max Weight Per Door Leaf (Standard Duty) | 200Kg  |
| Max Weight Per Door Leaf (Heavy Duty)    | 300Kg  |

\*For guidance only – when exceeded please consult our technical department

## Glazing

|           |             |
|-----------|-------------|
| Thickness | 28mm - 52mm |
|-----------|-------------|

For thicker options please consult our technical department

## Average U values

|  |                         |
|--|-------------------------|
| Standard Duty. CEN standard - Standard | 2000 x 2180mm           |
| 28mm Double Glazed Unit                | 1.60 W/m <sup>2</sup> K |
| 48mm Triple Glazed Unit                | 1.22 W/m <sup>2</sup> K |

|  |                         |
|--|-------------------------|
| Standard Duty. CEN standard - Thermally Enhanced | 2000 x 2180mm           |
| 28mm Double Glazed Unit                          | 1.48 W/m <sup>2</sup> K |
| 48mm Triple Glazed Unit                          | 1.11 W/m <sup>2</sup> K |

|                                     |                         |
|-------------------------------------|-------------------------|
| Heavy Duty. CEN standard - Standard | 2000 x 2180mm           |
| 28mm Double Glazed Unit             | 1.67 W/m <sup>2</sup> K |
| 48mm Triple Glazed Unit             | 1.31 W/m <sup>2</sup> K |

|   |                         |
|---|-------------------------|
| Heavy Duty. CEN standard - Thermally Enhanced | 2000 x 2180mm           |
| 28mm Double Glazed Unit                       | 1.51 W/m <sup>2</sup> K |
| 48mm Triple Glazed Unit                       | 1.15 W/m <sup>2</sup> K |

## Security

Security tested to PAS24: 2012, security hardware required.  
Q-Mark fully certified.

**Specification. Please contact our national team of architectural advisors for advice on product suitability, calculations and NBS or bespoke specifications.**