Slide 2000 Windows

Designed for use as horizontal sliding windows, wrap around glazed, for domestic and light / medium commercial applications. Several variations are possible, with 2, 3, 4, and 6-part units available.

Thermal breaks are formed with polyamide strips PA 6.6 25 reinforced with glass fibre, fitted between aluminium extrusions. All profiles are extruded from aluminium alloy 6060/6063 T5/T6 and comply with the recommendations of BS EN 12020-2; 2001/BS 755-9: 2001. Profiles can be Electrostatic powder coat finished in a range of RAL colours to APA Qualicoat guidelines with the option of BI-colour, different internal and external colours. Other finishes include anodised in satin with EWAA/EURAS-Qualanod quality label. Powder-coated woodstructure finishes are available on request. All sliding vents run on stainless steel track with stainless steel wheels. Single through to four point hook lock options available.

Glazing conforms to the requirements of BS 6262 and Part ‘N’ of the Building Regulations for both thickness and type.

Horizontal and vertical wrap around aluminium profiles and EPDM gaskets will accommodate 24, 28 or 32mm units.

Windows are manufactured according to customer requirements from a range of standard profiles and are designed to incorporate a range of vent openings and various options, therefore it is advisable to contact Smart Systems technical design department early in the design process.

Product tested to BS6375: Part 1. Weathertightness classification:

Air Permeability – Class 3 600Pa

Watertightness – Class 7A 300pa.

Wind resistance – Class A4 1600Pa

Windows are manufactured to the required design to within the following maximum limitations (subject to location).

Max height 2100mm and width dependent upon wind load. Max weight 200Kg per sliding leaf.

Subject to agreement it is possible to exceed these limitations depending on design criteria, contact Smart Systems Technical Department for details.

Consult Smart Systems Ltd technical literature for details. Smart Systems Ltd can also provide design and specification guidance and it is recommended that they are consulted early in the design process.

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**Product reference**: Slide 2000 Windows

**Materials**: All profiles are extruded from aluminium alloy 6060/6063 T5/T6 and comply with the recommendations of BS EN 12020-2; 2001/BS 755-9: 2001. Thermal breaks are formed with polyamide strips PA 6.6 25 reinforced with glass fibre sections capable of withstanding temperatures up to 200°C for over painting.

**Performance**: Product tested to BS6375: Part 1. (Air Permeability – Class 3 600Pa. Watertightness – Class 7A 300Pa. Wind resistance – 1600Pa).

**Exposure**: Design Wind Pressure TBA

**Thermal**: All doors, in conjunction with a suitable glazing specification, to achieve an average project U-value to meet the current requirements of the approved Building Regulation Document L1/L2 for England and Wales. Target window U-value TBA .

**Structure**: All structural profiles to be designed to meet CWCT guidelines.

**Construction**: All windows shall be manufactured, installed and glazed in strict accordance with Smart Systems instructions and guidelines as set down in the appropriate technical literature, details and specifications. Minimum depth of outer frame sections shall be 70mm (two tracks) incorporating two 26mm polyamide thermal break sections within the window profiles. All outer frame members to be 45° mitred corner construction, reinforced by means of extruded aluminium cleats and stainless steel corner braces. All vent profiles to be cut/shaped and secured using cleat blocks. All corner joints to be secured by gluing & crimping or gluing and mechanical corner Cleats. All mullions and transoms within vents to be cut/shaped and secured using cleats blocks. All joints to be sealed during construction using suitable ‘small gap’ sealant. The windows to incorporate an internal pressure equalized drainage system with concealed down drainage through a sub sill or frontal drainage with snap on cover caps/hooded beads.

**Finish as Delivered:** Internal Colour: TBA External Colour: TBA

**Glazing details**: Glazing shall be factory fitted.

Horizontal and vertical wrap around aluminium profiles and EPDM gaskets to accommodate glazing thickness of horizontal and vertical wrap around aluminium profiles and EPDM gaskets to accommodate glazing thickness of 24, 28 and 32mm.

**Ironmongery / Accessories:** TBA

**Fixing**: All fixings to be in strict accordance with the relevant British Standards, including BS 6262 and BS8213 Part 4: 2007, and shall ensure the window is retained securely within the opening without incurring any damage or distortion to the window frame. Generally, fixings to be positioned 150mm from each corner and each mullion/transom and at centres not exceeding 600mm. Fixing lugs/straps only to be used where they can be suitably concealed to approval. All Fixing of windows to the supporting structure to be achieved using a suitable lug and/or frame anchor fixing method capable of accommodating all applicable loads, deflection, tolerances and expansion expected on site. Details of the proposed fixing method shall be submitted to the project engineer for approval prior to installation.