AMENDMENT

Load Rating	Resistance to Wind								
UK Exposure	Air Permeability		Watertightness						
Category	Class	Maximum Test Pressure	Class	Maximum Test Pressure	Class	P1	P2	Q1	Q2
3000	E	600 Pa	A7	600 Pa	A4	3000	600	300	300

R2 rated Wind loading for Window Area for Individual Windows

V_p = 55 m/s (Ref. BS 6262)

A_W (Side Window) = 3m (worst case as no door code provided)

H_B (Design Height) = m

Topography is not significant

S_2 (Altitude Factor) = 1 + [(0.001 x (E x 100.0)) + 1 = 1.030

Transient: V_T = V_p x S_2 = 55 x 1.030 = 56.65 m/s

Enquire Effective Wind Speed V_E

V_E = V_T x D_P

Enquire D_P (Internal & External factor)

From Table 4 BS 6262 for H_B = m & 30 km from sea

D_P = 1.25 (Air Interpolation)

Transient:

V_E = 55.56 x 1.25 = 70 m/s

Hand Dynamic Pressure q_s

For V_E = 35 m/s q_s = 858 Pa (Table 5 BS 6262)

Aerodynamic Pressure Coefficient:

C_{pe} (External Pressure Coefficient) for C_{pe} = 0.80 for D/H ratio from 1 Table 2 BS 6262)

C_{pi} (Internal Pressure Coefficient) for its most severely permeable C_{pi} = 0.3

Design Wind Pressure p

$p = q_s \times (C_{pe} - C_{pi})$

Manufacturer:	Aluminium Glass-Reinforced Plastic
Profile No:	6262 & 6263 Aluminium Alloy
Finish:	Polyester Powder Coated to RAL 9010
Max. Glass Thickness:	24mm
Max. Panel Thickness:	40mm
Max. Height Window:	3000mm
Max. Height Door:	2400mm

Maximum Glass Weight: 70kg/m²

Maximum Panel Weight: 100kg/m²

Maximum Opening Vent Size: 1.2m x 2.4m

Maximum Opening Door Size: 1.2m x 2.4m

Maximum Glass Area: 2.88m²

Maximum Panel Area: 3.6m²

Maximum Opening Vent Perimeter: 6.0m

Maximum Opening Door Perimeter: 6.0m

Maximum Glass Weight: 70kg/m²

Maximum Panel Weight: 100kg/m²

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Maximum Opening Door Size: 1.2m x 2.4m

Maximum Glass Area: 2.88m²

Maximum Panel Area: 3.6m²

Maximum Opening Vent Perimeter: 6.0m

Maximum Opening Door Perimeter: 6.0m

Glazing Method: Internally Beaded

Glazing Gasket: EPDM

Weatherseal: Brush Pile

Ironmongery: Espag Locking Handle

Finish: Polyester Powder Coated to RAL 9010

Profile No: 6262 & 6263 Aluminium Alloy

Manufacturer: Aluminium Glass-Reinforced Plastic

Window Installation Height: 1.2m to 2.4m above floor level

Window Installation Width: 0.6m to 1.2m

Window Installation Height: 1.2m to 2.4m above floor level

Window Installation Width: 0.6m to 1.2m

Glazing Method: Internally Beaded

Glazing Gasket: EPDM

Weatherseal: Brush Pile

Ironmongery: Espag Locking Handle

Finish: Polyester Powder Coated to RAL 9010

Profile No: 6262 & 6263 Aluminium Alloy

Manufacturer: Aluminium Glass-Reinforced Plastic