Slim Aluminium Glass Facades

Updated June 2017

Technical Data Sheet

Glass

Glass thickness 22-50mm, Double or Triple Glazed

Glass Options low maintenance coatings, solar control coatings, PVB interlayers for UV protection, heated glass, privacy glass, electro chromic glass, low iron glass, decorative glass, coloured glass, anti reflective glass

Maximum panel weight 400kg with a heavy duty transom / 250kg with basic transom

Frame

Aluminium, non– ventilated façade system with a thermally broken frame

Face Profile 35mm

Basic Transom Profile 70 - 155mm deep, depending on wind load and glass weight

Heavy Duty Transom Profile 130 - 155mm deep, depending on wind load and glass weight

Mullion Profiles 65 - 150mm deep, depending on wind load and glass weight

Thermal Breaks 2 thermal break options —SI (PassivHaus Certified) or HI (Highly Insulating)

Performance

Security RC2

Acoustic Performance Rw 32—49 depending on glass specification, see associated acoustic performance table.

Thermal Performance PassivHaus Certified with SI Thermal Break Uf 0.88 W/m2K, 1.2 W/m2K with HI thermal break

Drainage

3 different drainage levels available

Opening Elements

Aluminium Windows and Doors can be integrated if required

Ironmongery

Locking/Automation can be fitted with TipTronic automation and locking sensor system

iQ GLASS

Glass Rw (dB)	Glass Thickness	Glass Composition	Rw (C;Ctr) (dB)
35	26	6 / 16 /4	35 (-1;-4)
32	36	4 / 12 / 4 / 12 / 4	32 (-1;-4)
36	38	6 / 12 / 4 / 12 / 4	37 (-2;-5)
39	42	8 / 12 / 4 / 12 / 6	38 (-1;-3)
42	42	8 / 12 / 4 / 12 / 6	40 (-1;-4)
46	48	10 / 12 / 6 / 12 / 8	45 (-1;-4)
50	50	12 / 12 / 6 / 12 / 8	47 (-1;-4)
51	46	15 / 24 / 8	49 (-1;-5)

Table based on test certificate 15-000241-PRO1 pb/15-000241-PR 03 GAS

Additional regulations may be prescribed for proof of sound insulation. In accordance with DIN 4109:1989-11, calculated value of airborne sound insulation index Rw R is based on the test value Rw minus a correction value of 2dB.

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