

PRODUCT SPECIFICATION



Product: Twin® Sight glazing

Project:

Client:

Contractor:

Design characteristics:

- Wintergarden glazing system with corner posts.
- All opening windows to be framed and to inwardly open.
- Maximum height 2.8m.
- Noise reduction ~21 dB.
- Integrated Kerafix® intumescent strip.

Manufacture characteristics:

- Production in accordance with EN755.
- Welding in accordance with EN ISO 3834-2.
- CE marking in accordance with EN 1090-1.
- Quality assurance to ISO 9001 & ISO 14001.

Folding windows:

- Windows to have an inwardly action opening system
- Windows supported by an upper and lower integral suspension rail
- Windows to be framed with an aluminium profile
- Magnetic locking mechanism to primary windows
- Glass to be provided by Pilkington OEA

Parapet:

- Powder coated Aluminium
- Aluminium to be framed in aluminium with rubber gaskets

Ventilation:

- Non-mechanical VentTec® ventilation system
- Fully integrated into the upper extrusion transom

Drainage:

- Built in water movement system

Extruded Aluminium profiles:

- All profiles to be architectural alloy to grade AA 6060, 6063 (T66).
- Profiles to be produced by Hydral or ProfilGruppen in accordance with BS EN 573-2:1995.

Rivets

- All rivets to be surface fixed large flange blind rivets, Alu AlMg3 Mandrel: Steel.
- Rivets to be powder coated in accordance with approved design.



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Integrated intumescent strip

- Kerafix® Flexpress 100 is a flexible, intumescent material on the basis of exfoliated graphite that foams up under pressure with thermal influence, early beginning of reaction at about 140°C.
- B2 (normal flammability) according to DIN 4102 -1
- Classification E (normal flammability) according to DIN EN 13501-1
- General building approval Z-19,11-1488
- European technical approval ETA – 13/0109

Priming and polyester powder coating

- All aluminium is to be rinsed pre-treated in accordance with Alficoat 770-771
- All polyester powder coating to be as per Qualicoat class 1 standards
- Minimum thickness 60 µm as per ISO2360
- Dry adhesion according to ISO2409
- Gloss coating in accordance with ISO2813:

Category	Gloss range	Acceptable variation
1 (matt)	0 - 30	+/- 5 units
2 (satin)	31 - 70	+/- 7 units
3 (gloss)	71 - 100	+/- 10 units

- Bend tests to ISO1519
- Impact tests to ISO 6272-2 / ASTM S 2794

Fixings

- All fixings to be provided by Hilti or WÜRTH
- Fixings to be designed following concrete pull-test or crush-test
- Mechanical or chemical anchors acceptable

Optional Items

- Bolt on Window Boxes
- Moister – Mould free carpets
- Built in Roller Blinds