ELEGANCE

CURTAIN WALL

IMAGINE WHAT'S NEXT

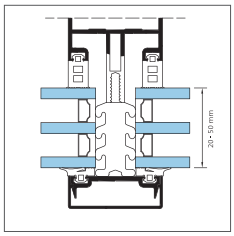
TECHNAL

ELEGANCE 52
/ Curtain Walling

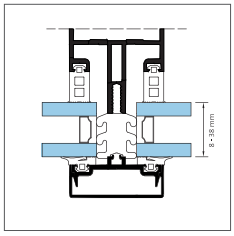
Conceived more than 25 years ago, the Elegance curtain wall portfolio has matured into a comprehensive façade system that combines technology and design with the demands of contemporary building construction.

ELEGANCE 52 ST
/ CAPPED CURTAIN WALLING

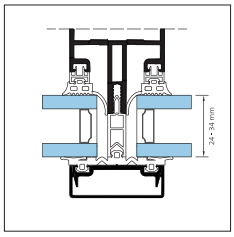
Elegance 52 ST is anything but standard, with a proven history for performance and thermal insulation, solutions range from cold single glazing to high performance achieving the requirements of Passive House certification from IFT Rosenheim.



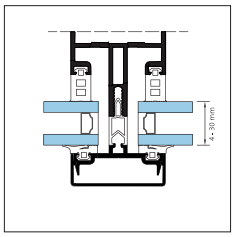
ELEGANCE 52 SHI
Super High Insulated
- Thermal performance according to "passive house" standards.
- Um, Ut = 0,94 - 1,0 W/m2K
- PE-insulator (concept Foam-Power®) with a depth of 36 mm



ELEGANCE 52 SI
Super Insulated
- Um, Ut = 1,1 - 1,5 W/m2K
- PE-insulator (concept Foam-Power®) with a depth of 24 mm



ELEGANCE 52 I
Insulated
- Um, Ut = 2,1 - 2,5 W/m2K
- Improved thermal glazing gaskets



ELEGANCE 52 BASIC
- Um, Ut = 2,8 - 3,5 W/m2K

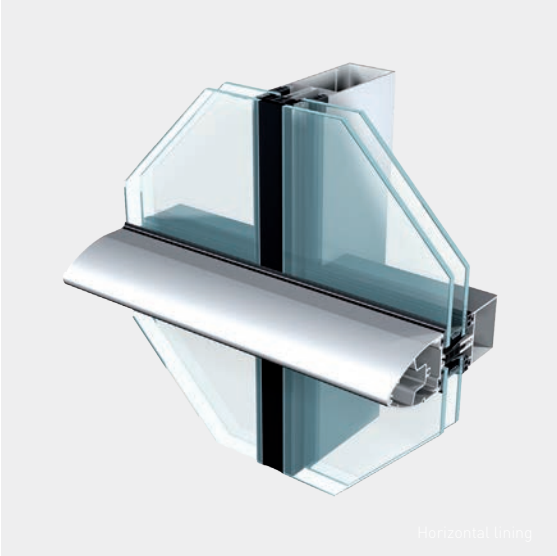
- Four drainage level profiles are available for intricate fenestrations
- Drainage can be both pane / field / compartmental, or via the mullion.
- A comprehensive range of profiles assure an optimised inertia for horizontal and vertical spans
- All transoms can be front loaded thanks to an innovative spring support cleat.
- Extensive range of cover caps to create an endless array of external appearances
- Dry glazing is achieved using EPDM internal glazing gaskets.
- Punch tools and drill jigs ensure accurate and fast pre-fabrication of all connection, drainage and aeration preparations.

SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE1200
Wind resistance	3000
Impact resistance	I5 / E5

ELEGANCE 52 HL/VL
/ SEMI CAPPED CURTAIN WALLING

Elegance 52 HL/VL solutions create an external emphasis on the horizontal or vertical aspect, by minimising the glass-to-glass visual of the adjacent line.


Horizontal lining


Vertical lining

- Based on the connection and drainage principles of Elegance 52 ST, the Elegance 52 HL/VL solutions are available in 2 different forms.
- Each provide emphasis on the horizontal line (HL) or vertical line (VL) by use of projecting feature caps that can be further accentuated by colour.
- The first form uses a silicone seal to minimise the joint between glass panes on the adjacent line, with an EPDM thermal break that doubles as a bond breaker.
- The second uses a dry gasket for a consistent external aesthetic, in conjunction with standard thermal break profiles from the Elegance 52 ST system
- Depending on the glass pane dimensions and external wind loads, safety pieces may be required to ensure the glass is adequately sealed against the backed structure on the non-emphasised line where there is no pressure plate or cover cap.

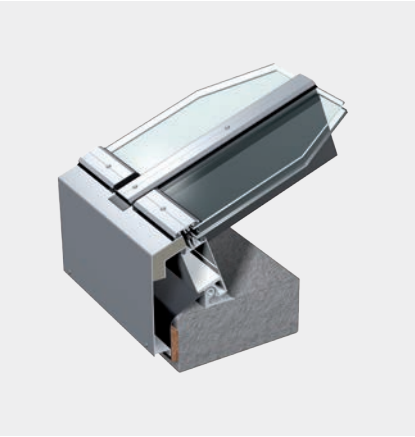
SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE1200
Wind resistance	3000


HOTEL
TRYP
BY WYNDHAM

ELEGANCE 52 ROOF APPLICATIONS
/ SLOPPED CURTAIN WALLING

Elegance 52 Roof utilises the main profiles from the Elegance 52 system to create a variety of sloped glazing constructions.



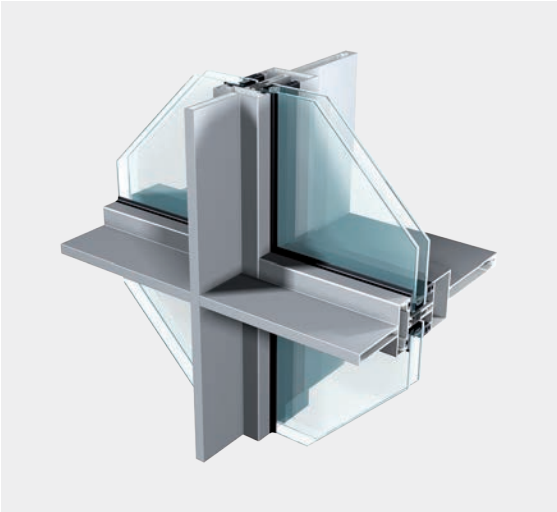
- With over-lapping connections and four drainage level profiles, the Elegance 52 system is perfect for sloped applications.
- Any water that may penetrate the outer seals is safely evacuated via the mullion drainage channels to an eaves level outlet or a connected vertical facade.
- Low profile cover caps allow water to efficiently flow over the external surface of the curtain wall.
- A range of gutter solutions provide a seamless integration between the sloped glazing and the vertical facade.
- Optional opening roof lights can provide effective natural smoke and heat ventilation.
- This are fitted with motors, with the combination tested and certified according to EN 12101-2:2003.

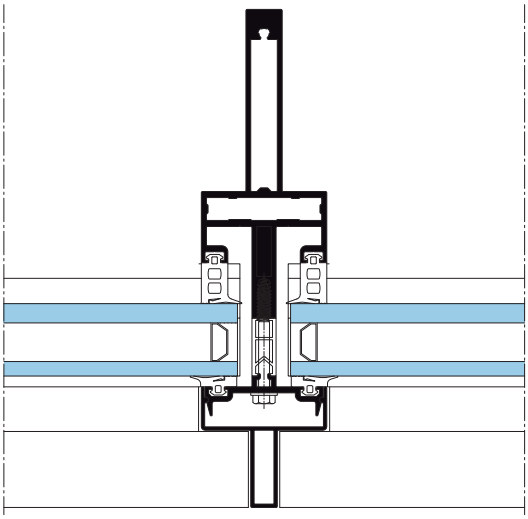
SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE1200
Wind resistance	3000

ELEGANCE 52 IN
/ INDUSTRIAL-LOOK CURTAIN WALLING

Elegance 52 IN is a project based system using I and T shaped profiles inside and out create an industrial feel to the curtain wall.





- The Elegance 52 IN system is an extension of the Elegance 52 ST, using the same connection and drainage principles.
- The difference being, where the Elegance 52 ST system consists of tubular mullion and transom profiles, the Elegance 52 IN system uses a range of I and T shaped mullion and transom profiles, to create a slender interior design effect.
- The appearance can be continued externally with similarly shaped cover caps.
- Complimentary anchoring and movement solutions are also available to complete the look.

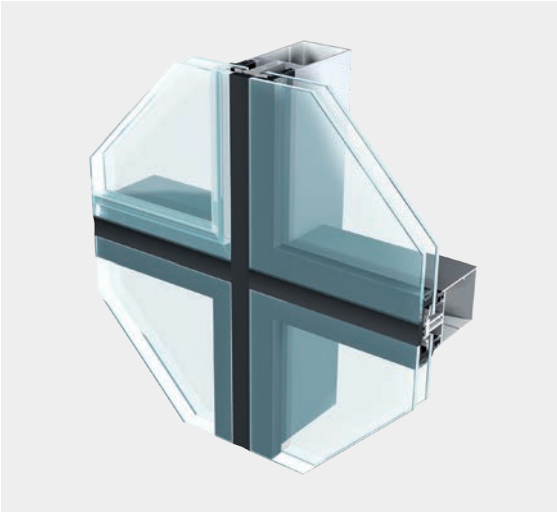
SYSTEM PERFORMANCE

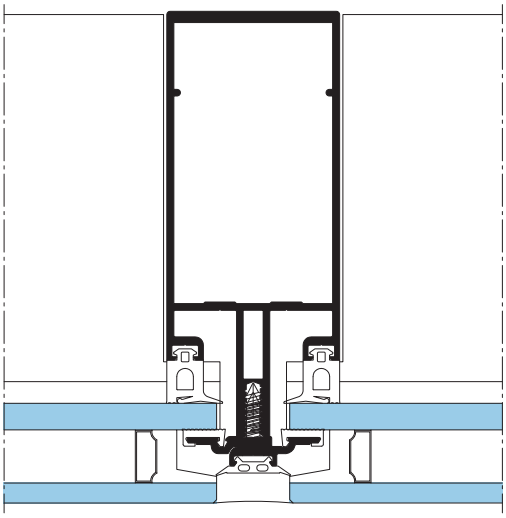
Airtightness	AE750
Watertightness	RE750
Wind resistance	3000
Impact resistance	I5/E5

ELEGANCE 52 SX

/ CONTINUOUS STRUCTURALLY CLAMPED CURTAIN WALLING

Elegance 52 SX provides a low cost alternative to full structural silicone glazing, creating a flush glazed appearance using concealed pressure plates.





- Based on the connection and mullion drainage principles of Elegance 52 ST, the Elegance 52 SX solution uses specialist double glazed units with a silicone seal between adjacent panes for a flush glazed appearance.
- The outer-pane of the double glazed unit is structurally bonded to the inner pane, and a continuous system specific void is formed around the perimeter to create an area into which continuous half pressure plates can be manoeuvred and secured directly to the nosing of the mullions and transoms.
- Once installed, the half pressure plates form a complete continuous clamp on the inner pane of the unit, securing and sealing it to the curtain wall.
- This solution provides an economic alternative to traditional structural glazed curtain walls, creating a flush surface appearance.
- Where openings are required, the Elegance 52 IT NS window can be seamlessly integrated.

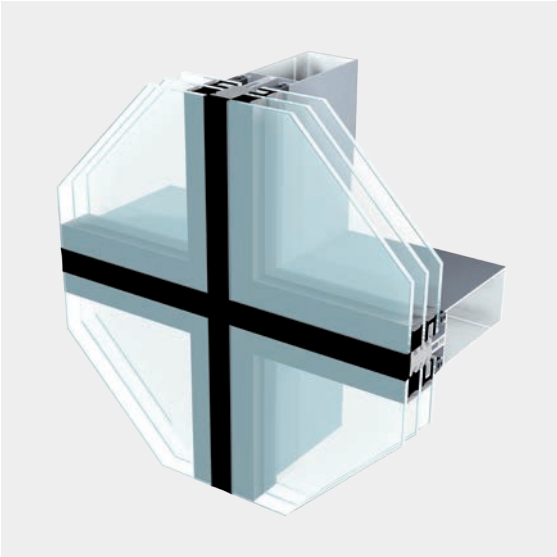
SYSTEM PERFORMANCE

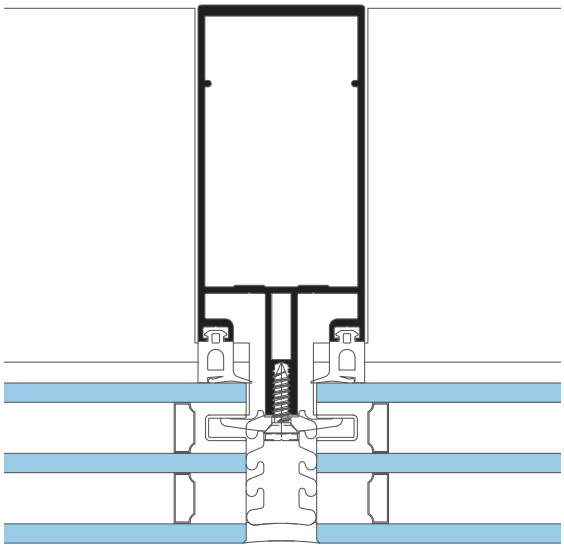
Airtightness	A4
Watertightness	R7
Wind resistance	900
Impact resistance	I5/E5

ELEGANCE 52 SGC

/ INTERMITTENTLY STRUCTURALLY CLAMPED CURTAIN WALLING

Elegance 52 SGC offers a thermal enhancement to the SX solution and a low cost alternative to full structural silicone glazing, creating a flush glazed appearance using concealed toggles.





- Based on the connection and mullion drainage principles of Elegance 52 ST, the Elegance 52 SGC solution uses specialist double and triple glazed units with a silicone seal between adjacent panes for a flush glazed appearance.
- The double or triple glazed units of Elegance 52 SGC are retained using single or double concealed toggle brackets.
- The double and triple glazed units incorporate an intermittent and system specific channel profile around the perimeter, into which the toggle brackets are located and secured directly into the nosing of the mullion and transom profiles.
- This solution provides a highly thermal and economic alternative to traditional structurally glazed curtain walls, creating a flush surface appearance.
- Where openings are required, the Elegance 52 IT NS window can be seamlessly integrated.

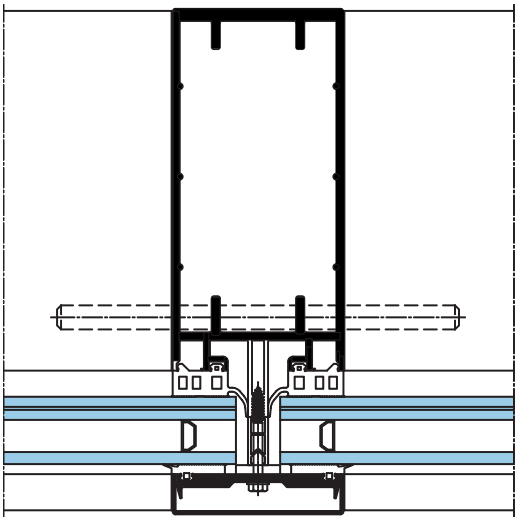
SYSTEM PERFORMANCE

Airtightness	AE1800
Watertightness	RE1800
Wind resistance	2000
Impact resistance	I5/E5

ELEGANCE 85 PF

/ BLAST RESISTANT CURTAIN WALLING

Elegance 85 PF is a curtain wall system that provides protection in the event of a blast incident.



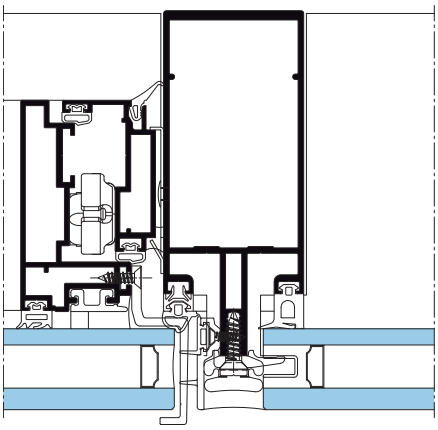
- Utilising the core and weathering principles of Elegance 52 ST, the Elegance 85 PF system has been designed specifically for the purpose of blast resistance.
- It derives the maximum benefit from the membrane action of laminated glass and its ability to safely transmit complex loads to the perimeter fixings, via the frame profiles.
- 30 mm deep glass rebates ensure that the glass is securely retained within the frame to provide a safe barrier for the building's occupants and contents.
- Complimentary windows and doors are also available in the Technal Powerframe range, and can be incorporated into the curtain wall facade for a complete blast resistant solution.
- Products have been tested in accordance with ISO 16933 EXV25.

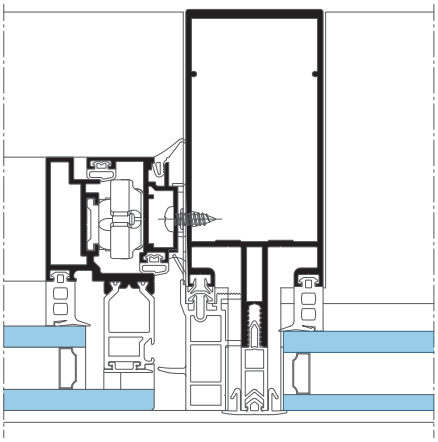
SYSTEM PERFORMANCE

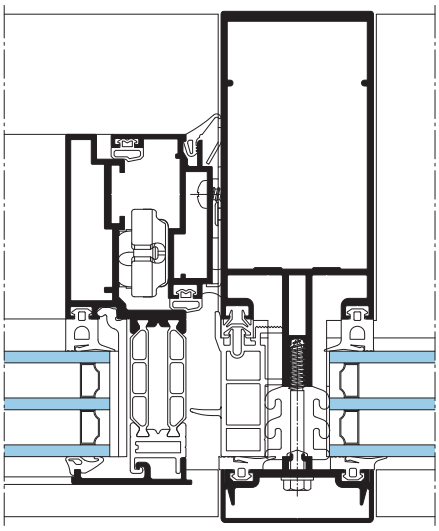
Blast resistance	EXV25

ELEGANCE 52 IT
/ INTEGRATED WINDOWS

Elegance IT is an outward opening window-system, specifically designed with minimal visual aspect opening vents, for integration with Elegance 52 ST, HL, VL, SX and SGC.







- The complete range of Elegance 52 IT windows are available as a projected top-hung using dedicated vent profiles, or as a parallel opening where the same vent profile can also be used for larger top hung's.
- Motorised solutions are also available with discrete housing profiles.
- Two structurally glazed solutions are available in the Elegance 52 IT range, allowing stepped double glazed units to be bonded to a thermally broken vent (Elegance 5 IT S), or non-stepped vents to be bonded to a cold vent (Elegance 52 IT NS).
- 3M VHB tape can also be used instead of traditional structural sealants.
- In all cases the double glazed units are retained with security clips to ensure total safety.
- As an alternative structural glazing, the Elegance 52 IT window can also be traditionally glazed and externally beaded (Elegance 52 IT GB).

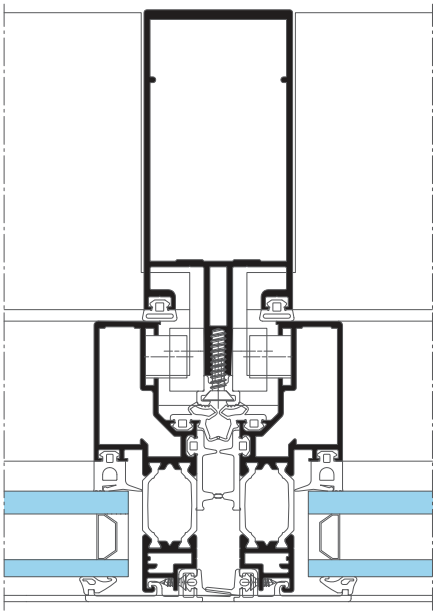
SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE 1200
Wind resistance	1200
Impact resistance	I4 / E5

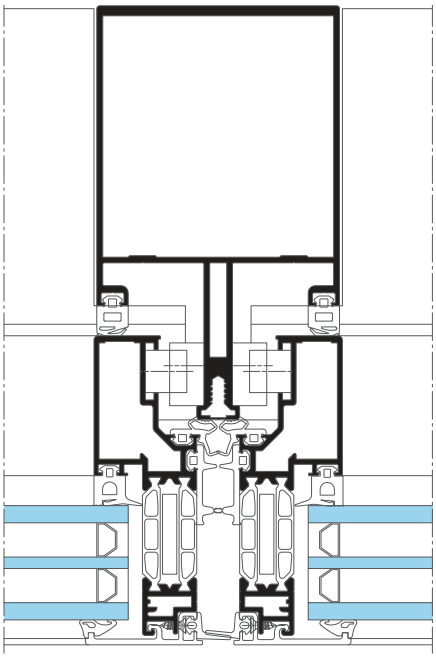
ELEGANCE 52 / 85 GF

/ GLAZED FRAME CURTAIN WALLING

Elegance 52/85 GF is a semi-unitised system, with factory prepared externally beaded glazed frames secured into each aperture of the curtain wall for a picture framed appearance.



Elegance 52 GF

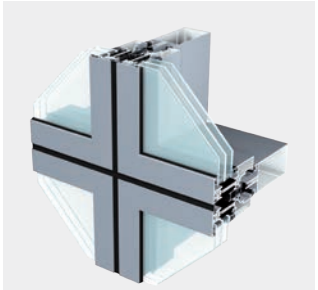


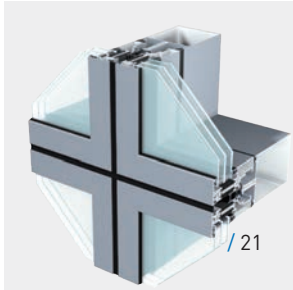
Elegance 85 GF

- Factory prepared beaded frames are used to rapidly glaze and weather tight the Elegance 52 curtain wall.
- The same frames can also be used with a dedicated range of 85mm mullion and transom profiles to create a hidden vent appearance when viewed from the inside outwards.
- Each frame can be permanently fixed to the curtain wall, or be fitted using friction stays for top-hung opening.
- All frames provide a uniform picture-frame external appearance with the opening part indistinguishable from the fixed parts.
- Using different thermal breaks and foam inserts, four thermal steps are available for the frames.
- Factory prepared frames ensure the highest level of workmanship is achieved.
- ntegrated EPDM perimeter gaskets fitted to each frame in the factory ensure robust weather performance.

SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE 1200
Wind resistance	2000
Impact resistance	I4 / E5



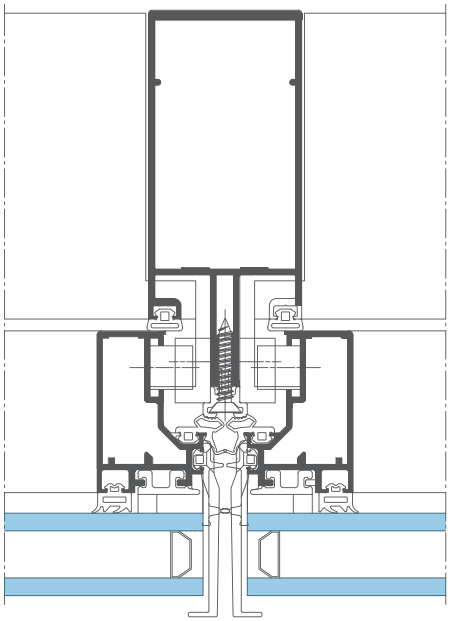



Matador
GROUP
GALLERY
RESTAURANT

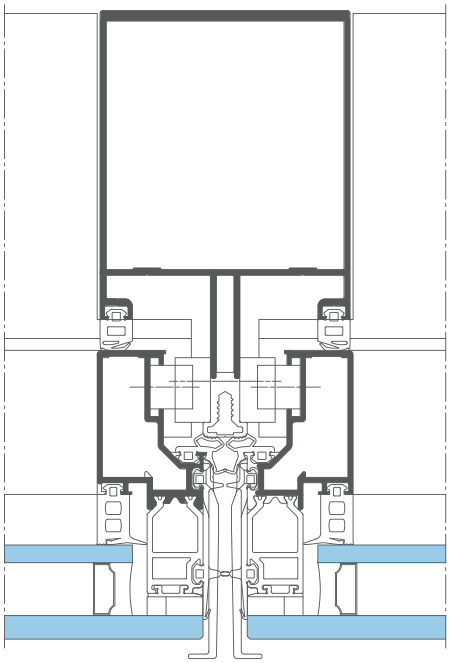
ELEGANCE 52 / 85 SG

/ STRUCTURALLY GLAZED CUTAIN WALL SYSTEM

Elegance 52/85 SG is a semi-unitised system, with factory prepared structurally glazed frames secured into each aperture of the curtain wall for a flush glazed appearance.



Elegance 52 SG NS



Elegance 85 SG S

- Factory prepared structurally glazed frames are used to rapidly glaze and weather tight the Elegance 52 curtain wall.
- The same frames can also be used with a dedicated range of 85 mm mullion and transom profiles to create a hidden vent appearance when viewed from the inside outwards.
- Each frame can be permanently fixed to the curtain wall, or be fitted using friction stays for top-hung opening.
- All frames provide a uniform external appearance with the opening part indistinguishable from the fixed parts.
- Different frames are available for stepped and non-stepped double glazed units.
- Factory prepared frames ensure the highest level of workmanship is achieved.
- Integrated EPDM perimeter gaskets fitted to each frame in the factory ensure robust weather performance.

SYSTEM PERFORMANCE

Airtightness	A4
Watertightness	RE 1200
Wind resistance	1600
Impact resistance	I4 / E2

IMAGINE WHAT'S NEXT

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By Hydro