ELEGANCE
CURTAIN WALLING

sapa:

By Hydro

Offices Kanalveien 11, Bergen, Norway
Architect: Og Arkitekter AS
Photography: Hans Bonnevier

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.

AZ Damiaan Hospital, Oostende, Belgium
Architect: Boeckx Architecture & Engineering
Photography: Hans Couckuyt

ELEGANCE 52 ST
/ CAPPED CURTAIN WALLING

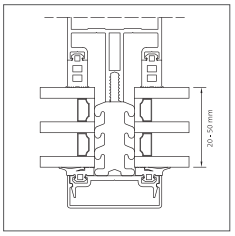
Elegance 52 ST is anything but standard, with a proven history for performance and thermal insulation, solutions range from cold single glazing to high performance achieving the requirements of Passive House certification from IFT Rosenheim.

CHARACTERISTICS

- 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.
- All window and door systems from the Sapa Building System product range can be easily integrated.
- Punch tools and drill jigs ensure accurate and fast pre-fabrication of all connection, drainage and aeration preparations.

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

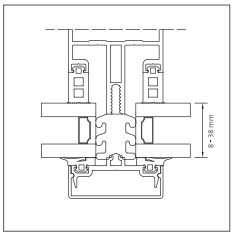
ELEGANCE 52 SHI
Super High Insulated



Thermal performance according to "passive house" standards.

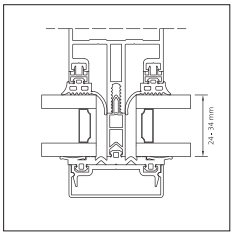
- U_m, U_t = 0,94 - 1,0 W/m^{2}K
- PE-insulator (concept Foam-Power®) with a depth of 36 mm

ELEGANCE 52 SI
Super Insulated



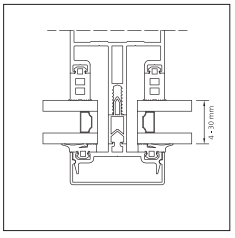
- U_m, U_t = 1,1 - 1,5 W/m^{2}K
- PE-insulator (concept Foam-Power®) with a depth of 24 mm

ELEGANCE 52 I
Insulated



- U_m, U_t = 2,1 - 2,5 W/m^{2}K
- Improved thermal glazing gaskets

ELEGANCE 52 BASIC



- U_m, U_t = 2,8 - 3,5 W/m^{2}K

School R.U. Caen, France
Architect: ATAUB
Photography: Brice Robert

ELEGANCE 52 HL / VL

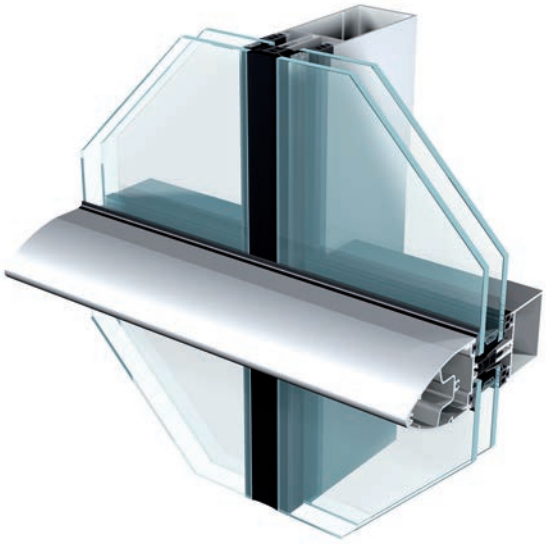
/ SEMI CAPPED CURTAIN WALLING

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.

CHARACTERISTICS

- 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.

WEATHER PERFORMANCE	
Airtightness	A4
Watertightness	RE1200
Wind resistance	3000



Elegance 52 Horizontal Lining

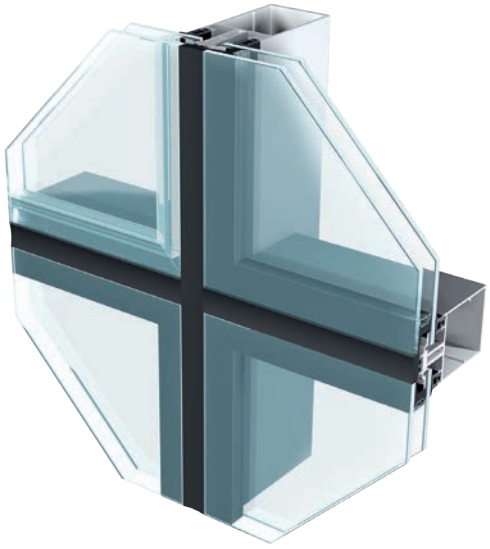
Elegance 52 Vertical Lining

Gateway Port Terminal, London, United Kingdom
Architect: Chetwoods Architects
Photography: Adrian Toon

ELEGANCE 52 SX

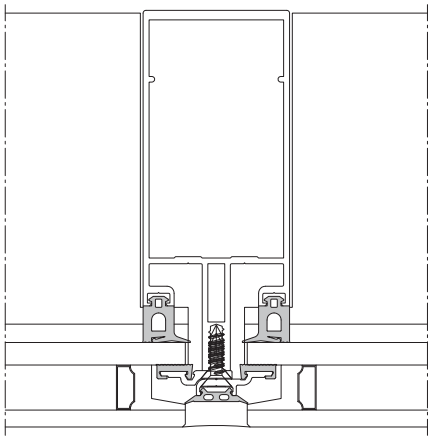
/ CONTINUOUS STRUCTURALLY CLAMPED CURTAIN WALLING

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



CHARACTERISTICS

- 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.



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

AZ Tower, Brno, Czech Republic
Architect: Burian - Křivinka Architects
Photography: Jiří Zahradnický

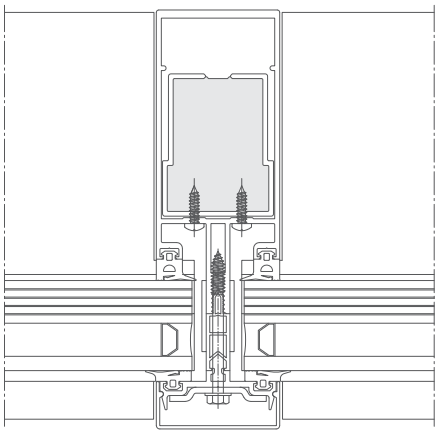
ELEGANCE 52 FR

/ FIRE RESISTANT CURTAIN WALLING

Elegance 52 FR has been designed to meet the demand for the protection of people and their possessions in and around buildings.

CHARACTERISTICS

- Based on the connection, drainage, clamping and capping principles of Elegance 52 ST, the Elegance FR solution is indistinguishable therefore providing continuity of appearance with non-fire rated elements, and affording the mixing of both solutions where partial compartmentation is required.
- A combination of intumescent strips, steel pressure plate clips, cooling materials and fire resistant glazing ensures EI 30 classification.
- Both integrity and insulation are provided by the system, which as a result means not only the fire itself, but also heat is kept outside for at least 30 minutes.
- Elegance 52 FR has been officially tested to EN 1364-3, EN 1363-1 and EN 1363-2 for both internal and external fire-exposure.
- It is clear that any adaptation to create fire resistance within the curtain wall will increase both the value and safety of the project.



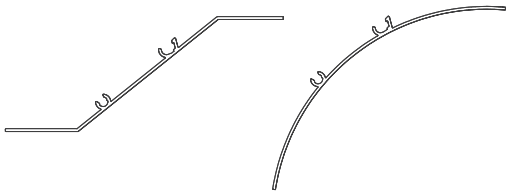
WEATHER PERFORMANCE	
Airtightness	AE750
Watertightness	RE750
Wind resistance	3000
Impact resistance	I5 / E5
Fire resistance	IE 30

School, Namur, Belgium
Architect: Jean-Charles Boreux
Photography: Hans Couckuyt

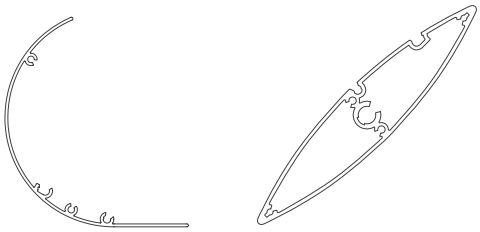
ELEGANCE 52 SOLAR CONTROL

The Elegance SC solar control range has been developed to compliment Elegance 52 curtain wall system and meet the ever increasing energy demands put on the building facade.

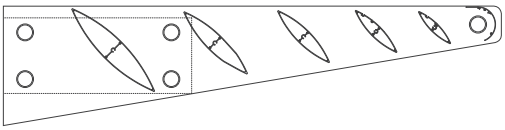
Eco Clip system has been developed to provide maximum shading to a facade, both in terms of area coverage and configuration options, whilst using simple profiles that are lightweight and inherently economic.



Aero Clip system has been developed to provide suited solutions for all applications with an emphasis on eye catching design.



Side-arm system is a range of blade profiles that can be used to create any shading configuration.



OLV Hospital, Aalst, Belgium
Architect: VK Studio, Architects, Planners & Designers
Photography: Hans Couckuyt

Bournemouth University, UK
Architect: Manson Architects
Photography: Adrian Toon

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