

► The main points

# THE MAIN POINTS

▼ **SINGLE STRUCTURE**

Whatever the desired look of the curtain walling, the basic structure remains the same. Waste rate optimization.

▼ **IMMACULATE AESTHETICS**

Countless possible aesthetics: grid look, horizontal frame, VEC, VEP, hidden openings, segmented façades (+ or - 10°)...

▼ **MANUFACTURING AND INSTALLATION TIME GAIN**

The mullions/cross beams bond requires no machining.

▼ **MAIN GLAZED SURFACES**

The rebate depth of 25 mm enables mounting of glazing with a 1/2 perimeter reaching 7 m.

▼ **THERMAL AND ACOUSTIC INSULATION**

▼ **POSSIBILITY OF STEEL REINFORCEMENTS**

▼ **A PALETTE OF EXCLUSIVE COLOURS WITH SANDY TEXTURES GUARANTEED FOR 10 YEARS**



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Front page, 3, 4, 7, 10, 12 > La City Headquarter - Architect: Architecture Studio - Window fabricator: Pacotte & Magritte - Photo: L. Ollier / 2, 5, 6, 8 > Paris 13 University - Window fabricator: Sifraia - Photo: L. Ollier  
9 > Shopping mall Milens - Les Azymes Guadalupe - Architect: Les architectes CVZ Paris - Window fabricator: Sprover - Photo: Y. Filles / 11 > Orange Headquarter, Guadalupe - Architect: G. Berthoin - Window fabricator: Sprover - Photo: Y. Filles



► Concept

# CONCEPT

Tanagra brings novel possibilities to curtain walling and proves to be a product perfectly well adapted to the European and international markets

(development of the Tanagra curtain walling is under responsibility of Profils Systemes for all subsidiaries of the Groupe Aliplast – of which it has been part since 1998 – which will market it in the future in Belgium, England, Poland, Reunion etc....)

Tanagra is a curtain wall allowing countless types of façades from a SINGLE structure :

Grid look

Horizontal frame look

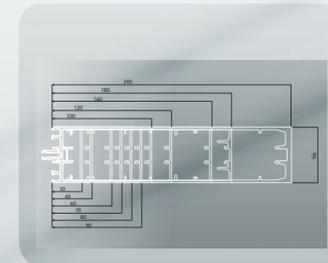
VEP External beaded glazing

VEC Structural glazing

Glass canopy



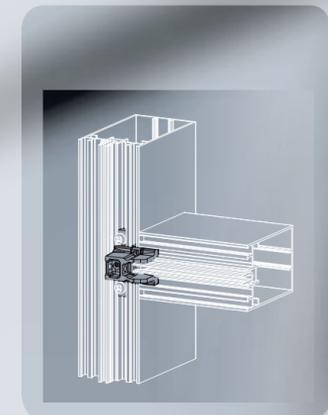
► Structure



The structure is made up of mullions and cross beams 56 mm wide, which sections (depths) vary from 30 mm to 240 mm, as a function of the necessary inertia. The same type of profile can be utilised both as mullions and cross beam.

The mullions /cross beam bond requires no machining and is done by means of a surface-mounted fastening batten. Reinforcing of the structure is ensured by flats or standard tubes, in steel or aluminium (inertia from 5.88 cm<sup>4</sup> to 4148 cm<sup>4</sup>). Faceted façades (+ or - 10°) can be produced within the scope of certain applications.

Countless solutions in terms of solar protection and renewable energies are in development.

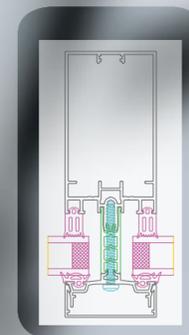


► Grid look



The grid look is obtained by placing horizontal and vertical caps on the exterior. These are clipped onto an aluminium clamping bar, which secures the glazing.

- Thermal insulation : insulating material insertion 40 mm or 50 mm
- Sealing : 2 EPDM barrier seals, one on the clamping bars and one on the primary framework
- Filling : from 6 mm to 42 mm
- Possibility of making architectural façades with angles of +/- 10°



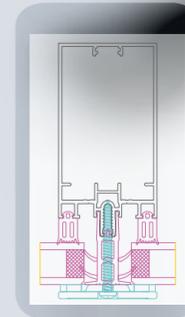
► Horizontal frame look



Placing horizontal caps and a double-hardness vertical seals on the outside creates the horizontal frame look. The horizontal cap is clipped onto an aluminium clamping bar that secures the glazing.

- Thermal insulation : insulating material insertion 40 mm or 50 mm
- Sealing : 2 EPDM barrier seals, one on the clamping bars and one on the primary framework
- Vertical sealing between 2 glass panels : by double-hardness seals
- Filling : from 6 mm to 42 mm

*In compliance with DTU39, a metal part limits the glazing thicknesses. Possibility of manufacturing architectural façades with angles of +/- 10°.*

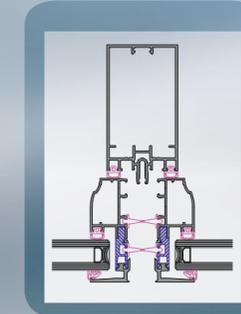


► VEP



The VEP look is obtained by placing thermal bridge breakdown frames taking up an external aluminium glazing fillet that secures the glazing. They are assembled by mitre cut by means of serrated or crimped squares.

- Thermal insulation : by thermal bridge breakdown profiles
- Locking of frames by interlocking
- Filling : thickness of 6 mm, 8 mm, 24 mm and 32 mm on fixed frames
- Hollow seals between the 2 glass panels : 27 mm
- Sealing : by seal fitted on the main framework and finishing seal fitted on the frame periphery

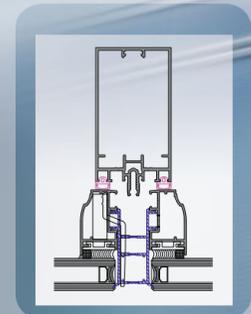


► VEC



The VEC look is obtained by placing frames with non-edged glazing which do not show the aluminium structure on the outside. They are assembled by mitre cut by means of serrated or crimped squares.

- Thermal insulation : by peripheral finishing seal
- Locking of frames by interlocking
- Filling : thickness of 6 mm, 8 mm, 24 mm and 32 mm on fixed frames
- Hollow seals between the 2 glass panels : 27 mm
- Adhesion on aluminium bar
- Sealing : by seal placed on the main framework and finishing seal placed at the periphery of the frames



► Glass canopy / Openings

**GLASS CANOPY**  
The framework is made up of aluminium mullions and cross beams. The cross beams used here allow sealing continuity with the mullions.

- Assembly : in straight-line cut with machining on the cross beam
- External appearance : ensured by vertical cap clipped onto an aluminium clamping bar and by horizontal clamping bar
- Vertical sealing: 2 EPDM seals fitted on the clamping bar
- Horizontal sealing: butyl strip stuck on the glazing + 2 EPDM seals fitted on the clamping bar

**OPENINGS**  
Tanagra authorizes numerous types of openings : top-hung, pivot-hung, side hinged, bottom-hung windows, fire security access, doors and sliding windows. Side hinged VEC casements, pivot-hung, top-hung, bottom-hung windows allow integration of hidden openings also in the classic grid look, horizontal frame, VEC or VEP curtain walls.

