

the Structura® range

Structura® Vision

Structura Vision, a structural glazing system using single glazing (monolithic or laminated), is noted for its ability to safely implement very large sheets of glass, depending on external stresses.

Structura® Duo

Structura Duo, a structural glazing system using double glazing, is the solution recommended by AGC when a high level of thermal or solar control is required. Structura Duo combines the appearance of structural glazing with the specifications of the most efficient insulating glazings (low-e glazings, solar control glazing and so on). Only an experienced insulating glazing manufacturer like AGC can deploy sealed double glazing technology in structural double glazing while retaining the functionality of all components involved. Structura Duo double glazing includes special metal inserts which not only serve as spacers between the two sheets, but which also ensure separate mechanical support and load bearing for each glass component. Structura Duo glazing has received the relevant CSTB Technical Approval as well as Ceko certification, a guarantee that it can withstand moisture.

Structura® Duo+

Structura Duo+ features new composite materials to replace the aluminium ring, thus improving insulation and enhancing the appearance of the installed system. This solution is especially well-suited to facades with double glazing, laminated glass or monolithic glass for use in temperate and cold climates in Central and North European countries. Naturally, it complies with the legislation of those countries*.

* Structura Duo+ is not available in France

Structura® Support

Structura Support is the ideal complement to Structura Vision and Duo/Duo+ glazing when the aim is to create a fully transparent facade. Structura Support replaces opaque metal structures with transparent elements, making it possible to produce fins, beams and consoles* out of structural glass.

* Structura Support Console is the secondary framework for a light facade (glass roofs, canopies, etc.). Horizontal or vertical consoles are made up of glass elements and can be used in both interior and exterior applications

Structura® Décor

Structura Décor is a patented structural glazing system applied to the production of opaque glass cladding covering all or part of a surface. Silk-screen printed and enamelled glasses are used in this system. Structura Décor can be used to clad vertical walls with a smooth, unbroken glass skin. This system is especially well-g geared to the thermal renovation of opaque facades (insulation via the exterior). In both new constructions and renovation projects, outdoors and indoors, Structura Décor delivers a competitively priced cladding solution using high-quality materials and featuring all the necessary safety and durability features.

Visit our **Technical Library**: a library of technical designs for the components used in Structura Duo/Duo+, allowing you to save time and work more accurately. Visit www.yourglass.com (Tools section).

AGC Glass Europe

AUSTRIA
AGC Glass Europe
Tel: +43 676 3372955
sales.austria@eu.agc.com

BELGIUM
AGC Glass Europe
Tel: +32 2 409 30 00
Fax: +32 2 672 44 62
sales.belux@eu.agc.com

BULGARIA / MACEDONIA
AGC Flat Glass Bulgaria
Tel: +359 2 8500 255
Fax: +359 2 8500 256
bulgaria@eu.agc.com

CROATIA / SLOVENIA /
BOSNIA & HERZEGOVINA
AGC Flat Glass Adriatic
Tel: +385 1 6117 942
Fax: +385 1 6117 943
adriatic@eu.agc.com

CZECH REPUBLIC / SLOVAKIA
AGC Flat Glass Czech
Tel: +420 417 50 11 11
Fax: +420 417 502 121
czech@eu.agc.com

ESTONIA
AGC Flat Glass Baltic
Tel: +372 66 799 15
Fax: +372 66 799 16
estonia@eu.agc.com

FINLAND
AGC Flat Glass Suomi
Tel: +358 9 43 66 310
Fax: +358 9 43 66 3111
sales.suomi@eu.agc.com

FRANCE
AGC Glass France
Tel: +33 1 57 58 30 31
Fax: +33 1 57 58 31 63
sales.france@eu.agc.com

GERMANY
AGC Interpane
Tel: +49 39 205 450 440
Fax: +49 39 205 450 449
igd@interpane.com

GREECE / MALTA / ALBANIA
AGC Flat Glass Hellas
Tel: +30 210 666 9561
Fax: +30 210 666 9732
sales.hellas@eu.agc.com

HUNGARY
AGC Glass Hungary
Tel: +36 34 309 505
Fax: +36 34 309 506
hungary@eu.agc.com

ITALY
AGC Flat Glass Italia
Tel: +39 02 626 90 110
Fax: +39 02 65 70 101
development.italia@eu.agc.com

LATVIA
AGC Flat Glass Baltic
Tel: +371 6 713 93 59
Fax: +371 6 713 95 49
latvia@eu.agc.com

LITHUANIA
AGC Flat Glass Baltic
Tel: +370 37 451 566
Fax: +370 37 451 757
lithuania@eu.agc.com

NETHERLANDS
AGC Flat Glass Nederland
Tel: +31 344 67 97 04
Fax: +31 344 67 97 20
sales.nederland@eu.agc.com

POLAND
AGC Flat Glass Polska
Tel: +48 22 872 02 23
Fax: +48 22 872 97 60
polska@eu.agc.com

ROMANIA
AGC Flat Glass Romania
Tel: +40 318 05 32 61
Fax: +40 318 05 32 62
romania@eu.agc.com

RUSSIA
AGC Glass Russia
Tel: +7 495 411 65 65
Fax: +7 495 411 65 64
sales.russia@eu.agc.com

SERBIA / MONTENEGRO
AGC Flat Glass Jug
Tel: +381 11 30 96 232
Fax: +381 11 30 96 232
jug@eu.agc.com

SPAIN / PORTUGAL
AGC Flat Glass Ibérica
Tel: +34 93 46 70760
Fax: +34 93 46 70770
sales.iberica@eu.agc.com

SWEDEN / NORWAY / DENMARK
AGC Flat Glass Svenska
Tel: +46 8 768 40 80
Fax: +46 8 768 40 81
sales.svenska@eu.agc.com

SWITZERLAND
AGC Glass Europe
Tel: +43 676 3372955
sales.switzerland@eu.agc.com

UKRAINE
AGC Flat Glass Ukraine
Tel: +380 44 230 60 16
Fax: +380 44 498 35 03
sales.ukraine@eu.agc.com

UNITED KINGDOM
AGC Flat Glass UK
Tel: +44 1788 53 53 53
Fax: +44 1788 56 08 53
sales.uk@eu.agc.com

OTHER COUNTRIES
AGC Glass Europe
Tel: +32 2 674 31 11
Fax: +32 2 672 44 62
sales.headquarters@eu.agc.com



www.yourglass.com

AGC Glass Europe has representatives worldwide - See www.yourglass.com for further addresses.



Vinice Pardubice - Pardubice - Czech Republic - Structura Vision

Structura®

range of structural glazing

Structura is the range of structural glazing systems – glasses and fittings – developed by AGC Glass Europe.

Structura is the ideal solution for clients seeking maximum light and transparency in large spaces.

Structura is used to create spacious, light-filled structures that feel open to the outdoors, yet are fully protected from the weather. Walls made of structural glazing feel transparent and light, revealing the building's internal load-bearing structure and giving it a high-tech look.

The basic principle is simple: the glazing (with holes pre-drilled in the corners) is attached directly to the load-bearing structure using specially designed metal fittings. Silicone mastic is applied to the seams between the glazing, sometimes in combination with an extruded gasket.



Hulp der Patroons - Drongen - Belgium - Structura Vision



Strizkov Metro Station - Prague - Czech Republic - Structura Duo



Alberta - Riga - Latvia - Structura Support



Strizkov Metro Station - Prague - Czech Republic - Structura Duo



Office Building - France - Structura Décor

The SAFETY of a completely, integrated structural glazing system

The Structura range, a group of products and processes designed to provide maximum safety.

Structura systems are delivered with specially manufactured Structaflex glazing that has been heat-treated to ensure it has the mechanical strength needed to cope with the weather-related stresses to which these structures are subject (temperature, wind, snow, etc.).

The Structura fittings – connectors and ball-and-socket clamps – are made of high-strength stainless steel. Their finish adds to the overall look of the structure. Structura is easy to install, highly flexible and can be fully adapted to each project. When developing the Structura range, AGC focused specifically on the maintenance and security aspects inherent in these kinds of applications.

Every effort is made to strictly comply with the principle of separating the loads on the various structural elements in the facade. AGC has commissioned well-known, independent institutes to test all parts of the Structura system. Structaflex glasses and the associated fittings are tested mechanically, both separately and as a unit.

Each (except Structura Duo+) system described hereafter has received a Technical Approval issued by the CSTB (Scientific and Technical Centre for the Construction Sector) in Paris.

FLEXIBILITY

Structura is incredibly flexible, making a huge range of diverse and ambitious projects possible.

supported by different types of structures made of steel frames, stainless steel cables, glass beams, glass fins and so on.

The concept can be used for both exterior and interior applications and is well-suited to vertical and inclined walls, such as entrance halls, galleries, atriums, passageways, exhibition rooms, glass roofs, canopies and more. Depending on the architectural choices made, Structura walls can be

AGC has developed facade designs combining products from the Structura range (Structura Vision or Duo/Duo+ and Structura Support, glass fins) to create totally transparent structural elements.

Structaflex™ glazing for every application



Berco building - Cape Town South Africa - Structura Duo



Infogram Headquarters Lyon - France - Structura Duo

Structaflex - glazing developed specifically for Structura applications

- Toughened* single glazing
- Toughened* single glazing – laminated glass with PVB (polyvinyl butyral) or EVA (ethylene vinyl acetate) interlayers
- Double glazing with toughened* components or toughened*/laminated glass

* All toughened glass is also subject to a heat soak test (HST) to ensure optimal reliability

Glass components in the Structaflex range

Single glazing

- Planibel clear or coloured float glass, Linea Azzurra®, silk-screen printed glass
- Stopsol and Sunergy solar control glass

Double glazing

- Planibel clear or coloured float glass, Linea Azzurra®, silk-screen printed glass
- Stopsol solar control glass
- Top^{N+T}* and Planibel G glass with low-emissivity coatings for enhanced thermal insulation
- Stopray^T, Energy^{NT}*, Sunergy glass with high-performance thermal insulation and solar control coatings
- Artlite Digital customisable toughened and patterned glass

* Only in Structura Duo/Duo+

LIGHT, TRANSPARENCY AND CLADDING FOR LARGE SPACES