

VISION-LITE®
Anti-reflective glass



*Experience clear vision
through glass*



VISION-LITE® ANTI-REFLECTIVE GLASS

Description

VISION-LITE® is an anti-reflective coated glass which benefits from reduced light reflection on its surface, with unmatched transparency. The anti-reflective effect is achieved by magnetron deposition of a metal oxide coating on extra clear substrate DIAMANT®. In order to maximize the anti-reflective effect, the coating must be on both outer faces of the glazing.

Applications

VISION-LITE® is ideal for all applications that require maximum transparency and unimpaired vision through the glass, combined with the safety of STADIP® laminated glazing.

External

- Shopfronts for retail shops;
- Lobbies and entryways for commercial and office buildings;
- Show rooms;
- Balustrades and glazed areas for viewpoints (landmarks, panoramic restaurants, etc);
- Control and observation rooms;
- Separation screens for terraced stadiums.

Internal

- Display cases in museums and retail shops;
- Protective screens for art paintings, drawings, photos, etc.
- Internal partitions and booths (hospitals, clean rooms, control rooms, conference rooms, translation booth etc);
- Screens and enclosures for zoos and aquariums.

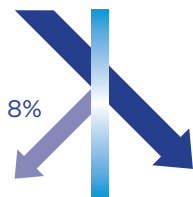


Advantages

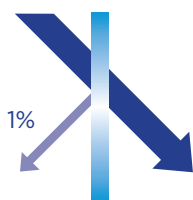
- *Unobstructed vision through the glass*

VISION-LITE® is 8 times less reflective than standard glass, ensuring a very high level of transparency and improved visibility of objects.

Visible Light Reflectance (LR)



Conventional Float Glass: 8%



VISION-LITE® STADIP®: 1%

- *Optimal color rendering*

VISION-LITE® is produced on extra-clear glass DIAMANT®, the most neutral glass substrate from Saint-Gobain Glass. This composition ensures higher contrast and true color rendering through the glass.

- *Safety and UV protection*

VISION-LITE® is available as STADIP® PROTECT laminated safety glass, for improved security, anti-burglary and anti-UV functions.

- *Large sizes*

VISION-LITE® is available in large dimensions adapted to shopfronts, lobbies or large window glazing.

- *Acoustic insulation*

VISION-LITE® can be laminated using STADIP® SILENCE for enhanced soundproofing performances.

- *Thermal insulation*

Semi VISION-LITE® can be associated with a low-emissivity coated glass for high-performance double-glazing units.





Note: VISION-LITE® is also available with temperable anti-reflective coating VISION-LITE® II, for specific building applications. For more information please contact us.

RANGE

VISION-LITE® is available as:

- Monolithic glazing, coated on one side only: Semi VISION-LITE®
- Laminated glazing, composed of two Semi VISION-LITE® sheets laminated together: VISION-LITE® STADIP®.

To obtain the anti-reflective performance, the glazing must be coated on both sides.

	Composition	Base glass	Dimensions
Semi VISION-LITE®	4 mm, 6 mm	DIAMANT® extra-clear	6000x3210
VISION-LITE® STADIP® (On demand)	44.2, 64.2, 66.2		

Other thicknesses and dimensions on request.



Performances

VISION-LITE® meets the requirements of Class A products as defined in the European monolithic EN1096-1 and EN1096-2.

VISION-LITE® is assembled in laminated safety glazing, with enhanced safety performance compared to standard clear glass.

Composition	Light Transmission TL%		Light Reflection LR%	
	VISION-LITE STADIP*	PLANICLEAR STADIP	VISION-LITE STADIP*	PLANICLEAR STADIP
44.2	97	89	1	8
55.2	96	88	1	8
66.2	96	88	1	8
64.2	96	89	1	8

*on DIAMANT® substrate

VISION-LITE® can be assembled into double-glazing units, and associated with a low-emissivity coated glass for enhanced thermal insulation. For more information on association with low-e coatings please contact us.

DGU Composition		Light Transmission	Light Reflection	Ug (W/m²K)
Glazing 1	Glazing 2			
VISION-LITE STADIP 44.2	VISION-LITE STADIP 44.2	94%	2%	2.5
	PLANITHERM XN* / Semi VISION-LITE 44.2	89%	2%	1.1
PLANICLEAR STADIP 44.2	PLANITHERM XN* / PLANICLEAR 44.2	79%	11%	1.1

*on PLANICLEAR® substrate



Processing and installation

VISION-LITE® can withstand various processes such as lamination, cutting, drilling, IGU assembly, etc.

VISION-LITE® cannot be tempered, for building applications requiring tempered safety glass please contact us.

For exterior applications, VISION-LITE® can be assembled into double-glazing units, consisting of 2 sheets of laminated VISION-LITE®. In this case, all four faces are treated with the anti-reflective coating. For enhanced thermal insulation, the inner sheet of the inner laminated panel can be replaced with a low-emissivity coated glass such as PLANITHERM® XN.

Important note

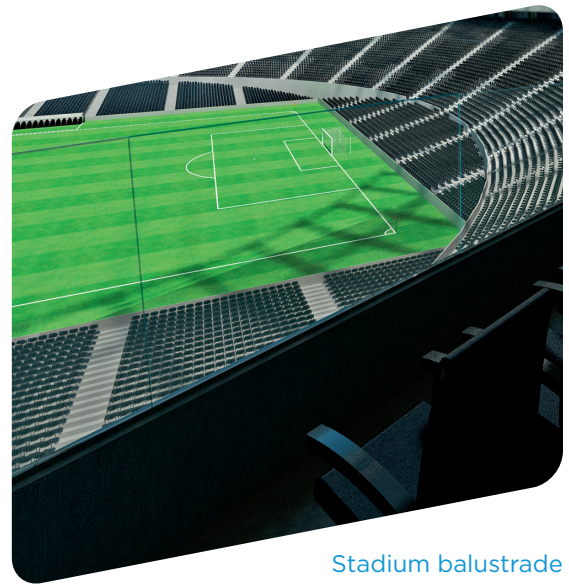
- For horizontal interior applications (museum display cabinets, shelves, tables etc), precautions must be taken to avoid frequent and excessive finger marks and the risk of scratching.
- For roof applications, it is not recommended to position the anti-reflective coating facing towards the outside (face 1).
- For external applications (eg: shop windows), it is strongly recommended that a sample is viewed in the intended location. The very low residual reflectance of VISION-LITE® can be visible under certain lighting conditions or viewing angles. Perpendicular to the glass, it is slightly bluish and can vary slightly.



Shopfront glazing
Optique 3000, Crépy-en-Valois



Panoramic glazing



Stadium balustrade


SAINT-GOBAIN

SAINT-GOBAIN GLASS

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