

SGG VISION-LITE® II

LOW REFLECTIVE GLASS
FOR DISPLAY CASES

sgg VISION-LITE® II

OUTSTANDING TRANSPARENCE AND ENERGY PERFORMANCE
FOR YOUR DISPLAY CASES!

APPLICATIONS

sgg VISION-LITE II low reflective glass is ideal for the doors of the refrigerated display cabinets and for commercial freezers, placed in the food stores, convenience stores, supermarkets etc.

BENEFITS

sgg VISION-LITE II offers a lot of advantages when installed in a door of refrigerator or freezer:

- Extremely clear vision through the glass, making it almost invisible:
 - very high transparence
 - very low light reflectance (around 10 times less reflection as for a conventional glass)
- Clarity of displayed goods: excellent contrast and color rendering
- Neutral residual color
- Can be used as single or double glass unit
- Safety glass once it has been tempered
- Available as an option with one low-E coating on the opposite side of the low reflective coating, to provide energy savings and reduced condensation risk, in addition to the extreme transparence
- Can be screen-printed
- Easy-to-clean surface
- Food compatible

DESCRIPTION

sgg VISION-LITE II is made of a clear float glass on which a thin transparent low reflective coating has been deposited on one or both sides, by magnetically enhanced sputtering under vacuum conditions. The final optical properties are reached after glass thermal tempering.

PRODUCT RANGE

sgg VISION-LITE II is available in jumbo sheet of size 6000x3210 mm on clear float glass sgg PLANICLEAR. Please contact us for other sizes and thicknesses, or for one coated side only.

Product	Thickness	Coated sides	Use
sgg VISION-LITE II	4 - 6 mm	Low reflective coating on sides #1 and #2	Single glass or multiple glazed unit
sgg SEMI VISION-LITE II UN II	4 mm	Low reflective coating on side #1 Low-E coating on side #2	Multiple glazed unit with low-E coating inside the cavity

PROCESSING

After cutting and edge working, both sgg VISION-LITE II and sgg SEMI VISION-LITE II UN II need to be tempered in order to reach their declared performances.

sgg SEMI VISION-LITE II UN II must be assembled in IGU, with the low-E coating placed inside the cavity.

Please contact us for technical support.

PERFORMANCES

The performances and quality of sgg VISION-LITE II comply with the requirements of the EN 1096 standard.

Product	Thickness mm	LT %	LR %	Ug-value W/m².K
Clear float glass	4	90	8	5.8
sgg VISION-LITE II	4	97	1	5.8
DGU with 2 x clear glass	4 / 16 / 4	82	15	2.7
DGU with 2 x sgg VISION-LITE II	4 / 16 / 4	95	2	2.6
DGU with sgg PLANITHERM UN II + clear glass	4 / 16 / 4	80	12	1.1
DGU with sgg VISION-LITE II + sgg SEMI VISION-LITE II UN II	4 / 16 / 4	89	3	1.1
TGU with 2 x sgg PLANITHERM UN II + clear glass	4 / 10 / 4 / 10 / 4	71	15	0.5
TGU with sgg VISION-LITE II + 2 x sgg SEMI VISION-LITE II UN II	4 / 10 / 4 / 10 / 4	82	5	0.5

LT: Light Transmittance ; LR: Light Reflectance. Values after tempering, according to the EN norms, provided that the glass has been tempered in respect with the Saint-Gobain instructions.

Note: The residual reflectance of sgg VISION-LITE II is very low (around 1%). It is however still visible under certain lighting conditions, viewing angles and in certain surrounding environments. The residual reflectance depends on the angle from which it is viewed. Perpendicular to the glass, it is slightly bluish and can vary slightly.