

VISION-LITE® II

Anti-reflective glass

FOR DISPLAY CABINETS



VISION-LITE® II

OUTSTANDING TRANSPARENCE AND ENERGY PERFORMANCE FOR YOUR DISPLAY CABINETS!

APPLICATIONS

VISION-LITE® II anti-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

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 transparency
 - 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 anti-reflective coating, to provide **ENERGY SAVINGS** and **REDUCED CONDENSATION RISK**, in addition to the extreme transparency
- Can be screen-printed
- **EASY-TO-CLEAN** surface
- **FOOD COMPATIBLE**

DESCRIPTION

VISION-LITE® II is made of a clear float glass on which a thin transparent anti-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

VISION-LITE® II is available in jumbo sheet of size 6000 x 3210 mm on clear float glass. Please contact us for other sizes and thicknesses, or for one coated side only.

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

PERFORMANCES

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

| Product | Composition (mm) | LT % | LR % | Ug-value W/m².K |
|--|---------------------|------|------|-----------------|
| PLANICLEAR® clear float glass | 4 | 90 | 8 | 5.8 |
| VISION-LITE® II | 4 | 97 | 1 | 5.8 |
| DGU with 2 x PLANICLEAR® | 4 / 16 / 4 | 82 | 15 | 2.7 |
| DGU with 2 x VISION-LITE® II | 4 / 16 / 4 | 95 | 2 | 2.6 |
| DGU with PLANITHERM® II + PLANICLEAR® | 4 / 16 / 4 | 80 | 12 | 1.1 |
| DGU with VISION-LITE® II + SEMI VISION-LITE® II PLT II | 4 / 16 / 4 | 90 | 2 | 1.1 |
| TGU with 2 x PLANITHERM® II + PLANICLEAR® | 4 / 12 / 4 / 12 / 4 | 71 | 16 | 0.7* |
| TGU with VISION-LITE® II + 2 x SEMI VISION-LITE® II PLT II | 4 / 12 / 4 / 12 / 4 | 82 | 5 | 0.7* |

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.
* Ug down to 0.5 with Krypton.

Note: The residual reflectance of 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.



Building Glass

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