SAINT-GOBAIN

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PRODUCT DATA SHEET
COOL-LITE® SKN 146 II

COOL-LITE® SKN 146 II is a high-performance solar control coating that features an extremely low solar factor, allowing it to keep the maximum amount of heat out, without completely cutting off natural light.

Benefits

In double-glazing, this product blocks as much as 75% of incident solar radiation whilst providing the interior with 40% of natural light*.

This translates into:

- **Energy savings** by reducing air-conditioning costs during sunny periods.
- **Increased daylight,** all year around by making wider glazing possible.
- **Aesthetic** with neutral color tint and subtle level of reflection.

*in standard 6/12/6mm configuration, with coating on #2, according to NFRC

Applications

COOL-LITE® SKN 146 II is ideal for offices, hotels, restaurants, schools and many other commercial buildings and can be installed in many glazing applications:

- Curtain walling
- Exterior structural sealant glazing
- Exterior bolted glass assemblies
- Cladding of external walls
- Overhead and atria glazing.

Processing

In order to achieve its performances and aesthetics, **COOL-LITE® SKN 146 II** must be:

- Tempered, compatible with Heat Soak Test
- Edge deleted prior to assembling
- Assembled into an insulated glazing unit
- Positioned on the face 2 (inside the IGU)

*Please contact us for more details

Performance

Average performance data are based on NFRC standards for center-of-glass only in the glazing configuration 6mm |12mm | 6mm with coating on surface #2.

								Ug-Value*Winter [W/m2K]			U-Value Btu/(h.ft2.F)	
	SUBSTRATE	Visible Light Transmittance (VLT%)	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)	Ligh to Solar Gain (LSG)	**External Light Reflectanse LRe** [%]	**Internal Light Reflectanse LRi** [%]	**1/2" air**	**1/2" air** (R)	**5/8" (16mm) argon**	**1/2" air**	**5/8" Argon**
COOL-LITE® SKN 146 II	Planilux ®	40	0.25	0.27	1.6	11	11	1.65	0.61	1.44	0.29	0.25

*This product is also available on PLANICLEAR®, DIAMANT® and ORAÉ® substrates. Please contact us for more details.

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