



CHIBOUGAMAU-CHAPAIS AIRPORT
 Québec, Canada
 ©Maxime Brouillet

PRODUCT DATA SHEET COOL-LITE® XTREME 70/33 II

COOL-LITE® XTREME 70/33 II is a highly transparent triple-silver coating that allows abundant natural light while blocking two-thirds of solar heat. It enhances indoor comfort by reducing summer overheating and winter heating costs and provides high clarity on façades without color distortion.

Benefits

- **High level of transparency**, maximizing daylight
- **Neutral aesthetic** in transmission and both in internal and external reflection
- **Low solar factor** for reduced cooling loads
- **Low Ug-value** for heating energy savings

With this product, projects benefit from the latest innovation in high performance solar control coatings. It offers extreme color neutrality whatever the viewing angles, low reflection level and the highest level of transparency with outstanding performances.

Applications

It's especially suitable for:

- **Offices:** It can significantly reduce solar heat gain in offices featuring large, glazed facades.
- **Healthcare:** It maximizes incoming daylight for optimum health and well-being.

- **Education:** It increases indoor comfort for effective learning environments.
- **Other:** It turns spaces into welcoming environments ideal for admiring artwork or enhancing the shopping experience.

Processing

In order to achieve its performances and aesthetics, COOL-LITE® XTREME 70/33 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.

	SUBSTRATE	Visible Light Transmittance (VLT%)	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)	Light to Solar Gain (LSG)	External Light Reflectance LRe [%]	Internal Light Reflectance LRI [%]	Ug-Value*Winter [W/m2K]			U-Value Btu/(h.ft2.F)	
								1/2" air	1/2" air (R)	5/8" (16mm) argon	1/2" air	5/8" Argon
COOL-LITE® XTREME 70/33 II	Planiclear®	70	0.30	0.34	2.3	11	13	1.62	0.62	1.40	0.28	0.24
COOL-LITE® XTREME 70/33 II	Diamant®	71	0.30	0.35	2.4	11	13	1.62	0.62	1.40	0.28	0.25