

# COOL-LITE® XTREME



## Description

A solar control glass is a glass with a special coating designed to reduce the amount of heat entering a building.. This coating is applied by magnetron sputtering under conditions of vacuum to transparent float glass. It reflects and retains heat as well as filtering light for reduced glare. The use of a sun-powered control glass can diminish the requirements for air-conditioning and blinds.

## Application

COOL-LITE XTREME provides extremely selective solar control coatings for use in the commercial and premium building market. Ideally suited for use in façades or glazing overhead in applications involving toughened or heat-treated glass.

- Windows and Facades
- Roofs
- Large glazed bays and skylights

## Processing

For optimal efficiency and aesthetics, COOL-LITE XTREME must always be tempered or heat-strengthened into a double-glazed unit before assembly. COOL-LITE XTREME must also be edge-deleted and a double or triple glazed screen should always be located on face 2.

*Refers to the processing guidances of each product for more details about the processing conditions or contact the local Technical Support Manager.*

# PERFORMANCE

**DGU values calculated with Clear Substrate PLANICLEAR as inner pane. Average performance values of DGU (6+12+6 mm) with coating on surface #2, according to the standards ISO 9050 m1 /EN 6732 and to the standards NFRC 100.**

*Saint-Gobain Glass reserves the right to change product performance features without notice or obligation. Contact your Saint-Gobain sales representative to check the availability of each product in your country.*

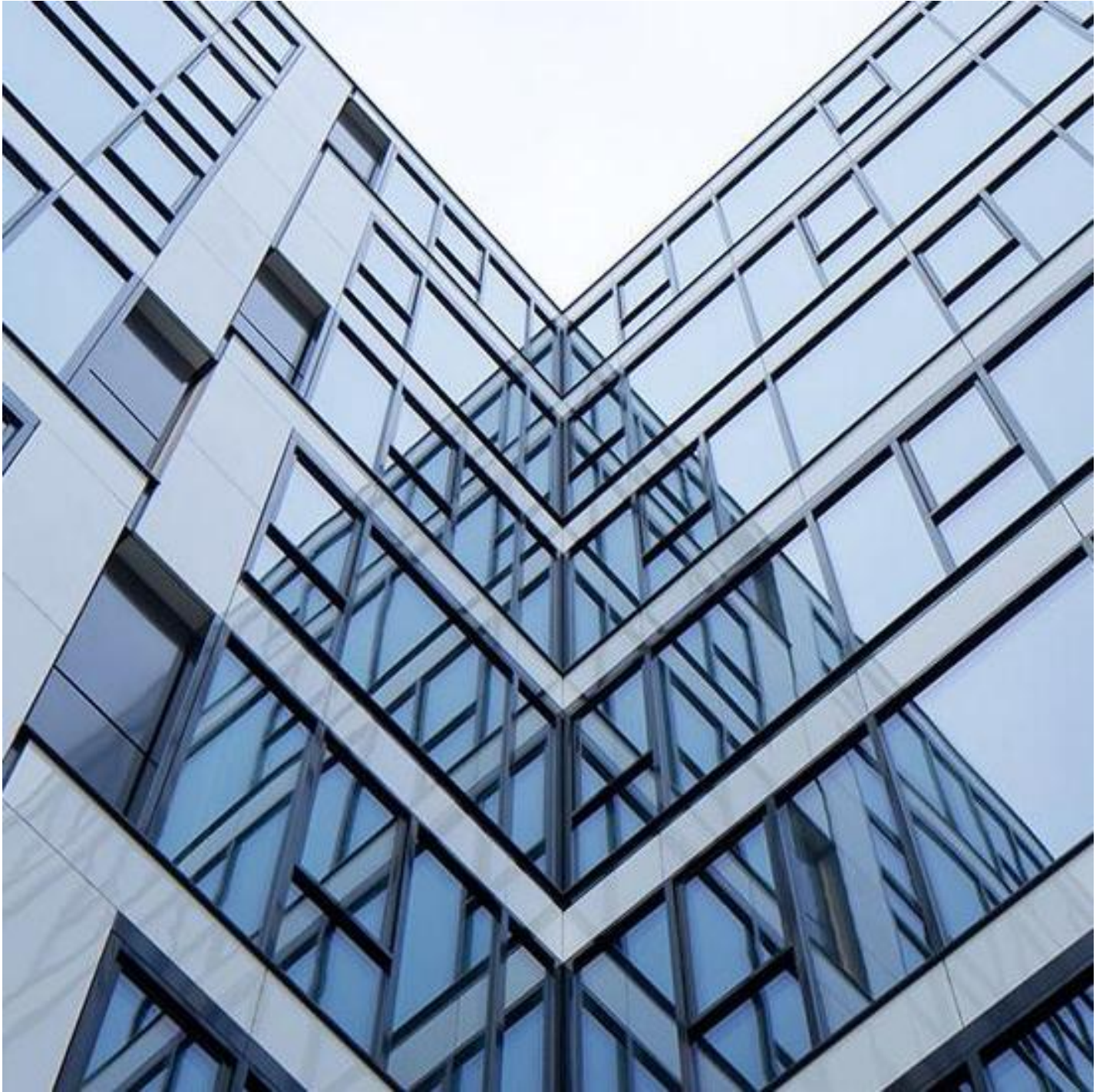
## Standards ISO 9050 m1 / EN 6732

PRODUCT	Light Transmittance LT (%)	Solar Factor g	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance L Ri (%)	U-Value W/(m <sup>2</sup> .K) 12mm air	U-Value W/(m <sup>2</sup> .K) 16mm argon
COOL-LITE XTREME 70/33 II	69	0.32	0.37	2.15	11	12	1.54	1.03
COOL-LITE XTREME 60/28 II	60	0.28	0.32	2.14	14	16	1.54	1.03
COOL-LITE XTREME 50/22 II	46	0.21	0.24	2.19	16	17	1.54	1.03
COOL-LITE XTREME SILVER II	49	0.26	0.29	1.88	30	18	1.5	1.0

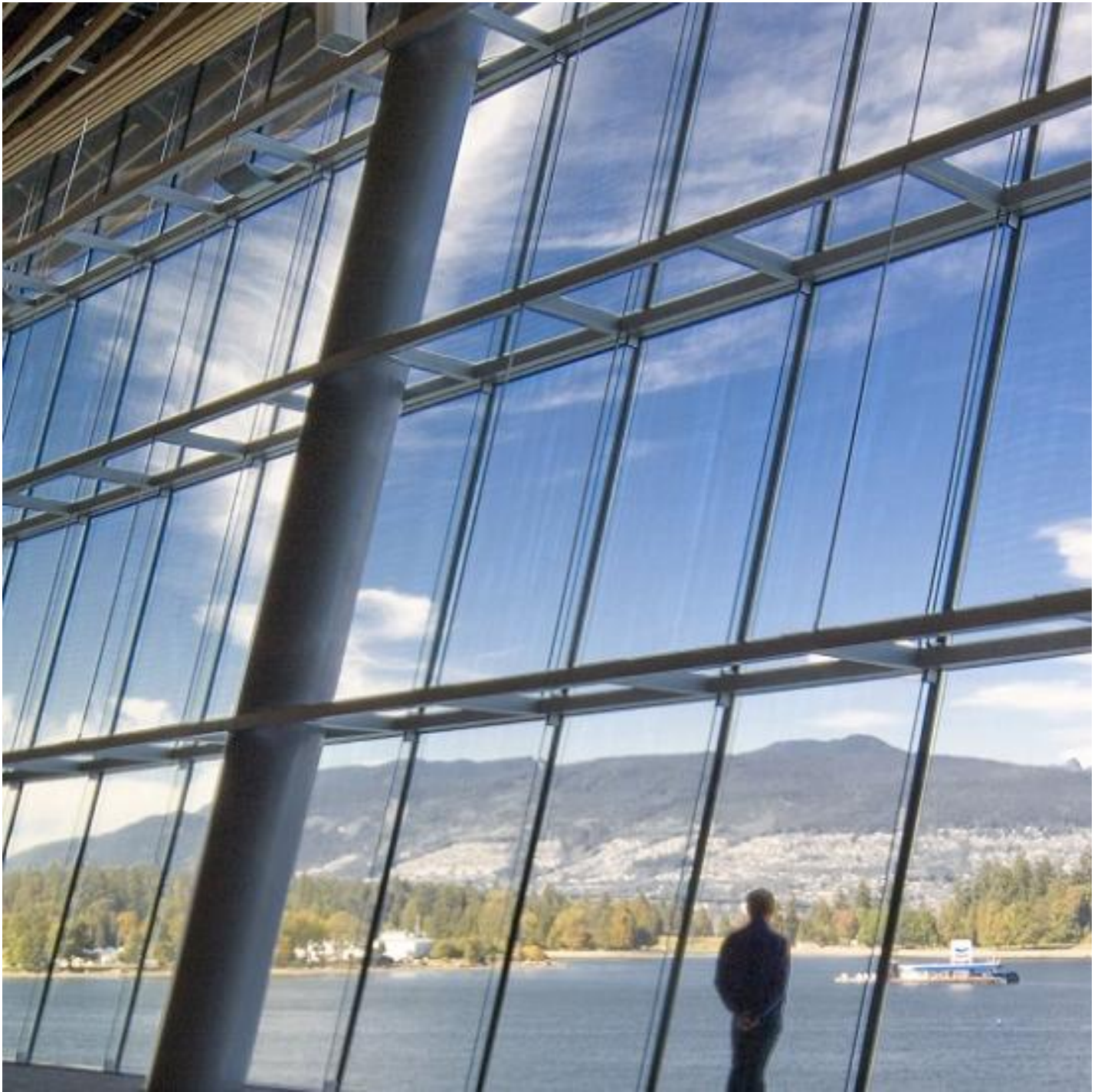
## Standard NFRC 100

PRODUCT	Light Transmittance LT (%)	SHGC	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance L Ri (%)	U-Value W/(m <sup>2</sup> .K) 12mm air	U-Value W/(m <sup>2</sup> .K) 16mm argon
COOL-LITE XTREME 70/33 II	69	0.30	0.34	2.30	11	12	1.61	1.39
COOL-LITE XTREME 60/28 II	60	0.25	0.29	2.40	14	16	1.63	1.41
COOL-LITE XTREME 50/22 II	46	0.20	0.23	2.30	16	17	1.60	1.38
COOL-LITE XTREME SILVER II	49	0.23	0.26	2.13	30	18	1.61	1.39

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