

COOL-LITE XTREME

EXTREMELY SELECTIVE SOLAR
CONTROL COATINGS

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BUILDING GLASS



SAINT-GOBAIN

COOL-LITE XTREME

EXTREMELY SELECTIVE SOLAR CONTROL COATINGS (TRIPLE SILVER) WITH REINFORCED THERMAL INSULATION

With a selectivity greater than 2 and a Ug-value of up to 0.9 W/m²K in double glazed units or up to 0.4 W/m²K, respectively in triple glazed units, the COOL-LITE XTREME family is currently the most efficient series of solar control glasses from Saint-Gobain. The selectivity reflects the ratio of light transmission - as high as possible - to total energy transmittance - as low as possible - ($S = TL/g$). Put simply: the high light transmission of the glazing creates an extremely bright atmosphere inside the room; the excellent solar factor guarantees maximum comfort.

To be tempered COOL-LITE XTREME II variants also offer higher mechanical and thermal resistance. As standard, we offer the glasses in 6, 8 and 10 mm thicknesses and in maximum dimensions of 18 m x 3.21 m; other glass thicknesses are available on request. Even more to be tempered COOL-LITE XTREME II coatings (except XTREME SILVER II) are delivered with EASYPRO, Saint-Gobain's temporary protection layer. If a to be tempered product has to be mixed with a product that cannot be tempered, we recommend prior sampling.

AESTHETICS

The low, external reflection as well as the colour-neutral external appearance creates an excellent combination of function and aesthetics. COOL-LITE XTREME products are suitable for the renovation of listed buildings. On request, the solar protection coatings can be produced on extra white DIAMANT glass.

VISUAL COMFORT

Extremely transparent and neutral for a bright, friendly atmosphere in the room - all year round.

THERMAL INSULATION

Excellent insulation of the interior, thus reducing heating costs.

INDOOR COMFORT

Highly efficient, optimal at all times sun protection: Reduces the temperature of the room by up to 5°C compared to standard heat protection glass therefore reducing the need for air conditioning.

COMBINATIONS

SECURIT (toughened safety glass), STADIP (laminated glass), STADIP SILENCE (sound insulation) and STADIP PROTECT (injury and burglary protection)

Type/Color	Ug-Value* [W/m ² K]	Light transmission TL** [%]	Solar factor** [%]	ex. reflection** [%]	in. reflection** [%]
Standard composition CLIMAPLUS 6 16 4 - coating on pos. 2 on PLANICLEAR, 90% Argon					
COOL-LITE XTREME Silver II****	1,0	50	25	30	18
COOL-LITE XTREME 50/22 II	1,0	47	21	16	18
COOL-LITE XTREME 60/28 and 60/28 II	1,0	60/61***	28	14	17
COOL-LITE XTREME 70/33 and 70/33 II	1,0	70	33	11	13
Standard composition CLIMATOP 6 12 4 12 4 - coating on pos. 2 and 5 (PLANITHERM XN) on PLANICLEAR, 90% Argon					
COOL-LITE XTREME Silver II****	0,7	46	24	31	20
COOL-LITE XTREME 50/22 II	0,7	43	19	17	20
COOL-LITE XTREME 60/28 and 60/28 II	0,7	55	26	15/16***	19
COOL-LITE XTREME 70/33 and 70/33 II	0,7	63	31	13	16

*according to EN 673 **according to EN410 ***Values may differ for toughened (II) and non-toughened coatings with the same glass compositions. ****on DIAMANT



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