

# COOL-LITE® KN 166 II

SOLAR CONTROL AND THERMAL  
INSULATION FOR YOUR COMFORT



Project: Vizja Park  
Architect: Biuro Projektów Kazimierski i Ryba

**BUILDING GLASS POLAND**



**SAINT-GOBAIN**

# COOL-LITE® KN 166 II

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## SOLAR CONTROL AND THERMAL INSULATION FOR YOUR COMFORT

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COOL-LITE® KN 166 II is a selective glass with sun protection, ensuring at the same time, excellent thermal insulation and a high level of natural light transmission. Looking from outside, the glass is elegant, dynamic, having a grayish – silverish aspect in transmission, the light is neutral, providing a very comfortable healthy environment. COOL-LITE® KN 166 II is manufactured by magnetron sputtering vacuum deposition of coating on clear float glass (PLANICLEAR, PARSOL). COOL-LITE® KN 166 II is “to be tempered” product. This means that the it must be tempered to reach its nominal property (performance and colour).

### APPLICATIONS

COOL-LITE® KN 166 II is perfectly suited for both non-residential applications (office buildings, shops, facades, skylights etc.) but it is also suitable for residential applications (homes, apartments, terraces closed, etc.).

Due to the elegant and live appearance, it matches perfectly with all types of windows, giving the house a distinctive note and dynamic at the same time.

### PROCESSING CAPABILITIES

#### 1 Insulating Glass Unit (IGU)

COOL-LITE® KN 166 II must be assembled in IGU with the coating facing the inert gas cavity. In that case, the coating should be placed on face #2.

#### 2 Heat Treated

COOL-LITE® KN 166 II must be heat treated (tempered or heat strengthened).

#### 3 Lamination

COOL-LITE® KN 166 II can be laminated taking care to place the coating outside of the laminate. Lamination against the interlayer is NOT authorized.

*NOTE: COOL-LITE® KN 166 II must be heat treated before lamination.*





## RANGE

PRODUCT	Thickness [mm]	Maximum dimensions [mm]
COOL-LITE® KN 166 II	6, 8, 10	6000 x 3210

## TECHNICAL DATA

PRODUCT	U <sub>g</sub> * [W/m <sup>2</sup> K]	LT** [%]	g**	Reflection outside [%]	Reflection inside [%]
6/16/6 COOL-LITE® KN 166 II on face #2 substrate PLANICLEAR	1,0	60	0,39	22	25
6/16/6/16/6 COOL-LITE® KN 166 II on face #2 PLANITHERM XN on face #5 substrate PLANICLEAR	0,5	55	0,35	23	26

\*according to EN 673 \*\*according to EN 410

## ADVANTAGES

The strengths of COOL-LITE® KN 166 II are: advanced thermal insulation, excellent sun protection and high levels of natural light transmission. The heat losses are reduced drastically in winter and in hot summer you will enjoy comfort, solar energy that penetrates the interior being much smaller. At the same time, you benefit from natural light, ensuring a healthier work environment and economy of energy required for lighting.

Seen from outside, the glass COOL-LITE® KN 166 II is part of the facade of the building, giving it personality, dynamism and elegance.

COOL-LITE® KN 166 II can be easily combined with other types of glass to various additional functions, such as sound insulation (with STADIP SILENCE), security (with STADIP or STADIP PROTECT).

## NORMS AND REGULATIONS

COOL-LITE® KN 166 II meets the requirements of European Standard EN, class C, 1096-1 and 1096-2.



# SAINT-GOBAIN BUILDING GLASS POLAND

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