

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), etc.

NORMS AND REGULATIONS

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



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COOL-LITE KN 166 II

Solar control and thermal insulation for your comfort

BUILDING GLASS EUROPE



COOL-LITE KN 166 II

SOLAR CONTROL AND THERMAL INSULATION FOR YOUR OWN COMFORT

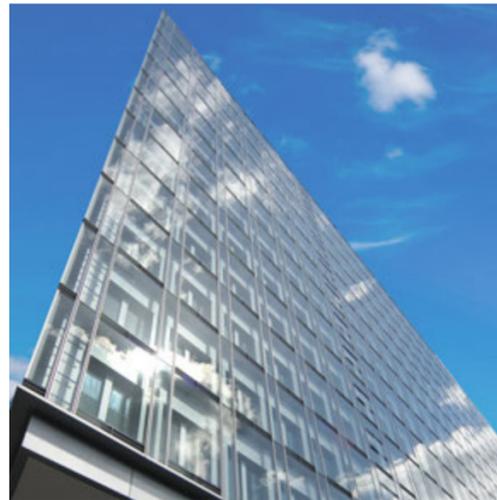
DESCRIPTION

COOL-LITE KN 166 II is a selective glass with advanced 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 and adapting with surprising ease in any color neighboring frames or walls... In transmission, the light is neutral, providing a very comfortable healthy environment.

COOL-LITE KN 166 II is obtained by sputtering onto PLANICLEAR clear float glass using a magnetically enhanced cathodic sputtering process under vacuum conditions.

COOL-LITE KN 166 II is “to be tempered”, that must necessarily be heat treated (tempered or heat strengthened) to be put in the work.



APPLICATIONS

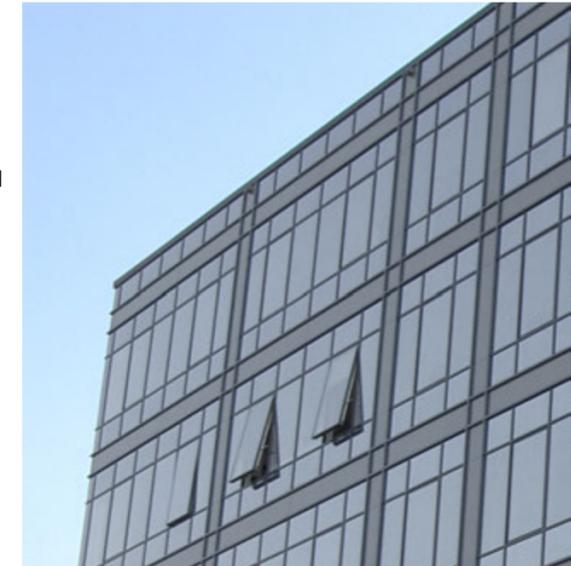
COOL-LITE KN 166 II is perfectly suited for both non-residential applications (office buildings, shops, facades, skylights etc.) but it is also suitable for residential applications (homes, villas, apartments, terraces closed etc.)

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

- **Insulating glazing**
COOL-LITE KN 166 II must be always assembled in insulating glazing facing to cavity on face #2.
- **Thermal Treatment**
COOL-LITE KN 166 II must be heat treated (tempered or heat strengthened) to be put in the work.
- **Curving**
COOL-LITE KN 166 II can be curved with certain limitations. Please consult our technical department.
- **Lamination**
COOL-LITE KN 166 II can be laminated with the coating not in contact with the PVB film.
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
COOL-LITE KN 466 II (*), (**)	6, 8, 10	

(*) - on PARSOL GREEN substrate (**) - on demand

Technical data

	Light Transmittance, LT [%]	Light Reflectance, LR [%]	Solar Factor, g	U [W/m².K]
6 mm COOL-LITE KN 166 II #2 16 mm Argon 4 mm PLANICLEAR	61	22	0.39	1.0
On green substrate 6 mm COOL-LITE KN 466 II #2 16 mm Argon 4 mm PLANICLEAR	49	16	0.26	1.0

