

COOL-LITE SKN 176 II

High transparent solar
control glass

**BLOCK OF
THE YEAR 2017**
THE BALTIC OFFICE
BUILDING IN POZNAN

Project:
MVRDV
Architects

Photography:
Bartosz Makowski

BUILDING GLASS EUROPE



SAINT-GOBAIN

COOL-LITE SKN 176 II



UV
protection



Design



Day light
comfort

NEUTRAL | COMFORT | SAFETY

COOL-LITE SKN 176 II sets a new standard in terms of aesthetics and function in the range of double silver solar control coatings. It ensures high level of light transmission combined with a low level of solar gain and additionally provides excellent protection against thermal losses.

COOL-LITE SKN 176 II is very aesthetic due to its colour tint and subtle level of reflection.

APPLICATIONS

COOL-LITE SKN 176 II is designed to any type of commercial and residential where architects intend to combine solar control with high level of light transmission and excellent thermal insulation.

Due to the high performance of the coating, it is ideally suited for use in applications requiring toughened glass such as facades, and skylights, large glazed window bays and conservatories.

BENEFITS

High level of transparency

Optimal use of natural daylight due to a high level of transmitted light – 70%.

g-value as low as 0.37

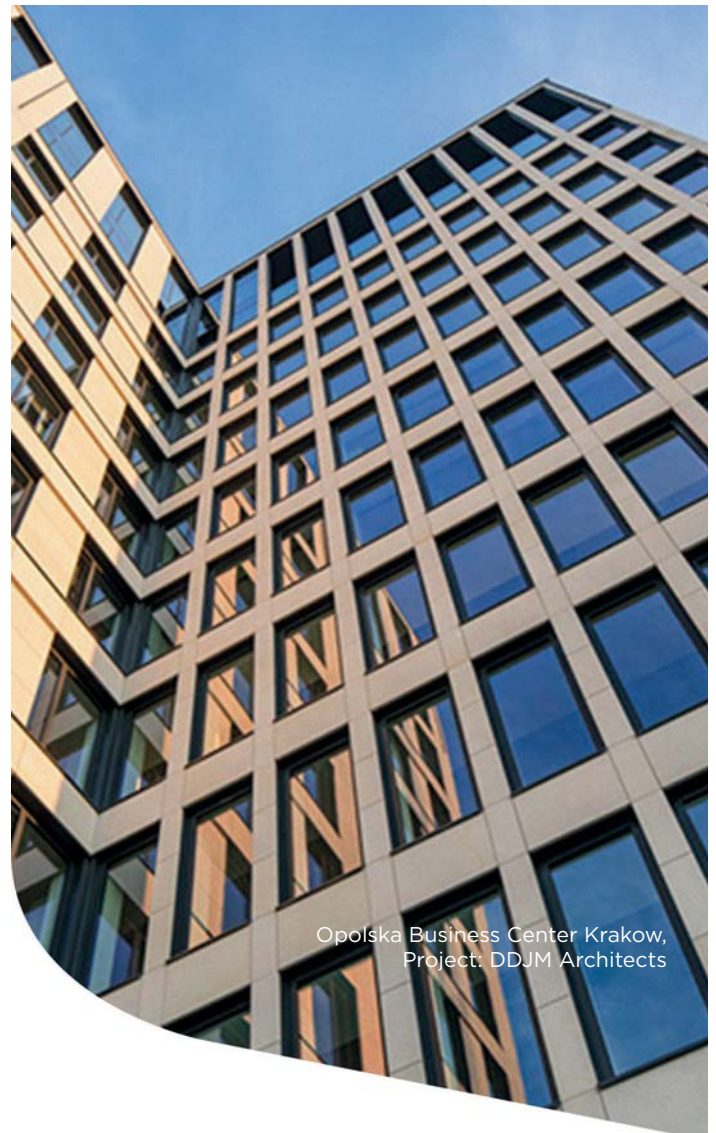
63% of solar energy radiation do not enter the building and are rejected.

Selectivity of 1.89

Adequate ratio between transmitted light and solar gain.

Ug-value of 1.0 W/m²K

Achieved in a standard DGU with 16 mm 90% Argon filled cavity.



Opolska Business Center Krakow,
Project: DDJM Architects

RANGE

COOL-LITE SKN 176 II is available in jumbo size 6000 x 3210 mm and in standard thicknesses 6, 8 and 10 mm. Other thicknesses and sizes with over or under-length are also available on request.

INSTRUCTIONS FOR USE

COOL-LITE SKN 176 II must always be toughened or heat-strengthened before assembled into double glazing units. The coating must be placed on surface #2. Edge deletion of the coating is compulsory prior to the assembling.

Please see the SGG COOL-LITE SKN II handling guidelines for more information.



TECHNICAL SPECIFICATION

Spectrofotometric parameters	DGU 6mm/16mm Argon 90%/4mm; coating position face #2	TGU 6mm #2 /16mm Argon/ Planiclear 4mm/16mm Argon/ Planitherm XN 4mm coating position face #5
Light transmission TL	70%	64%
Outdoor reflectance R _{Lex} t	13%	15%
Indoor reflectance R _{Lint}	15%	17%
Solar Factor g	0,37	0,35
Thermal transmission U _g	1,0 W/m ² K	0,5 W/m ² K

Spectrofotometric parameters according to norm EN 673 and EN 410.

SAINT-GOBAIN BUILDING GLASS EUROPE

www.saint-gobain-facade-glass.com
www.glassolutions.ee/et
www.glassolutions.se/sv



@SaintGobainBuildingGlassEurope



Saint-Gobain



@saintgobain

