

# Planibel LOW-E

Start saving energy with our Planibel LOW-E! A range of low-emissivity single glazing which leads to significantly lower energy consumption. Try it now!



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## The brand Planibel LOW-E

Low-emissivity single glazing

High performance: low-emissivity Full range: hard-coated (using a pyrolytic process) or soft-coated (using a magnetron process) glasses Environmental impact: the low-emissivity coatings on the Planibel LOW-E single glazing lead to significantly lower energy consumption and CO2 emissions Multiple applications: buildings, household appliances, horticultural industry, etc.

Application: single glazing - insulating glazing - safety/security glazing

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## A

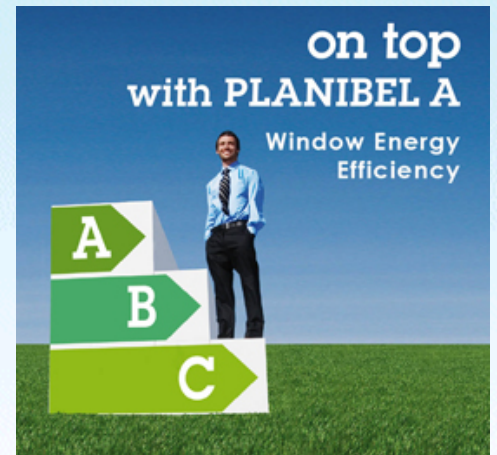
High performance hard-coated low-emissivity glass

Planibel A is a low-emissivity (LOW-E) hard coating which can be used in single, double and laminated glass in building applications.

Thanks to its solar factor (SF=71% in 4mm) and its Ug-value, Planibel A is the right choice in the so-called "heating dominant conditions".

Planibel A has exceptional features such as: Fast technology: the coating can be toughened on both sides (opposite and coating against rollers). Processing as easy as clear float (no need for convection) Fast toughening cycle: up to 25% improvement vs. alternative soft coatings One single version: toughenable or not. Can be used in single glazing, double glazing or laminated Improved resistance to scratches - no need for cover sheet No edge deletion Much longer shelf life (vs. a soft coating) ~ merchant product Neutral appearance

Promotional and technical brochures dedicated to both consumers and professionals can be downloaded. Visit the Glass Configurator 2 in the YourGlass Toolbox (on the toolbar) to simulate how Planibel A performs within windows!



## Performances

### A

Structure	Light properties (EN 410)		Thermal properties (EN 673)			Ug-Value W/(m².K)
	LT %	LR %	EA %	SF %	SC %	
4 - 16 Ar 90% -  4	72	17	26	73	0.84	1.4
4 - 16 Ar 90% -  4	74	17	20	78	0.9	1.4
4 - 20 Ar 90% -  4	72	17	26	73	0.84	1.4
4 - 20 Ar 90% -  4	74	17	20	78	0.9	1.4



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Click on the row of your choice to go straight to the product performances.

## Abbreviations:

LT: Light Transmission; LR: Light Reflection; UV: Ultraviolet transmission; EA: Energy Absorption; SF: Solar Factor. Symbols: The | symbol indicates the position of the solar-control coating.

- The | symbol indicates the position of a low-emissivity coating (Planibel Top N+ or Top N+T).
- The ! Symbol indicates the position of a low-emissivity coating (Planibel G)

## Tolerances:

The data are calculated using spectral measurements that are conform to standards EN 410 (1998). The tolerance of published data with respect to photometric properties is +/- 3 points. The U-value (formerly k-value) is calculated according to standard EN 673. The emissivity measurement complies with standards EN 673 (Annex A) and EN 12898. The U-value tolerance is +/- 0.1W/(m<sup>2</sup>.K).

This information is no evaluation of the risk of glass breakage due to thermal stress. See also conditions of use.