

## Choose the right product

## Technical specifications

# Planibel low-e Pure Comfort

ENJOY PURE AESTHETICS COMBINED  
WITH EASY PROCESSABILITY &  
UNPARALLELED SCRATCH-RESISTANCE

### — PLANIBEL PURE COMFORT —

What are you looking for?	Choose	
	Planibel Pure Comfort 10	Planibel Pure Comfort 14
Enhanced transparency and neutral aspect	✓	✓
Easy processing & stability of coating emissivity during tempering	✓	✓
Lowest emissivity possible	✓	✗
Best price	✗	✓
Unparalleled scratch resistance	✓	✓
Highest light transmission	✗	✓
No edge deletion	✓	✓
Optimised electrical conductivity	✓	✓

Planibel Pure Comfort products are available in 4 mm, in the following dimensions:

- PLF: 6000 x 3210 mm, 5100 x 3210 mm

- DLF: 2250 x 3210 mm

Planibel Pure Comfort products are available in 3.15 mm upon request.

Planibel Pure Comfort 10 is available in 5 mm, in the following dimensions:

- PLF: 6000 x 3210 mm

For more details, refer to AGC's Product Catalogue on [www.yourglass.com](http://www.yourglass.com)

### — PLANIBEL PURE COMFORT —

Properties	Planibel Pure Comfort 10		Planibel Pure Comfort 14
Thickness (mm)	4	5	4
Light Transmission (%) EN 410	82	81	84
Light Reflection (%) EN 410 (coated/glass side)	11/11	11/10	11/11
Colour Rendering Index (%) EN 410	99	99	99
Colour	neutral		neutral
Haze	0.5		0.4
Normal emissivity EN 12898	0.10		0.14
Sheet resistance (Ω)	8 to 10		13 to 15
Class according to EN 1096-1	A		A

### Processing options

Safety	Can be toughened or heat-strengthened with either the coated or non-coated side against the rollers, and in all types of tempering furnace
	Can be laminated
Cutting	Can be cut straight or circular
Shaping and edge-finishing	Edge-grinding
	Grinding
	Drilling
	Notches
	Silk-screen printing and enamelling on both sides
	Painting
	Heated glass
	Can be bent in all types of tempering furnace
Insulated glazing units (IGUs)	Double or triple glazing

AGC Glass Europe provides technical support to help you determine the best glass components for your applications. Please contact the AGC Technical Advisory Service ([tas@eu.agc.com](mailto:tas@eu.agc.com)) for more information (prior to using this e-mail address, you need to register on [www.yourglass.com](http://www.yourglass.com))



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AGC's Pure Comfort range of pyrolytic low-e coatings seamlessly combines outstanding aesthetics with easy processability and unparalleled scratch-resistance.

The unique **Planibel Pure Comfort 10** guarantees the lowest emissivity for superior insulation, while offering a neutral aspect.

The **Planibel Pure Comfort 14** offers enhanced transparency with high light transmission and minimised reflected colour.

Compared to other pyrolytic coatings, the emissivity remains stable after tempering.

Both products present a perfect solution for industrial applications where high light transmission and thermal performance are crucial, such as home appliances, commercial refrigeration, heated glass, horticulture and insulation.

Through its high conductivity (low sheet resistance), the Planibel Pure Comfort range is an excellent alternative to ITO coatings used in applications such as touchscreens and electrochromic glass. In addition to being more cost effective than ITO, Planibel Pure Comfort products can be toughened while keeping outstanding and stable conductivity properties.

Thanks to a special surface treatment – a unique technology developed by AGC Glass Europe – Planibel Pure Comfort also offers unparalleled scratch-resistance making the glass easier to produce and maintain.

## Enjoy pure aesthetics combined with easy processability & unparalleled scratch-resistance

### — PLANIBEL PURE COMFORT —

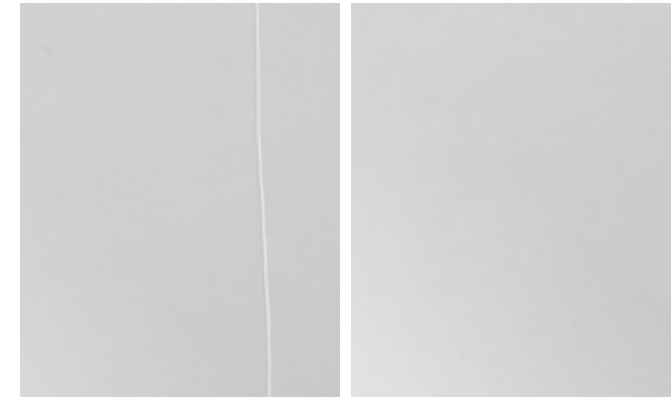
What's so special about it?	What does this mean for you?
Enhanced transparency and a neutral aspect	Objects and food are clearly visible behind the glass
Easy to process, no edge-deletion needed	With Planibel Pure Comfort products you can keep processing costs down thanks to easier and faster processing (shorter cycle time = improved capacity)
Emissivity remains stable even when exposed to very high processing temperatures	All coating properties and benefits remain unchanged (no damage, no deterioration in quality) during standard processing, including high-temperature heating (tempering, enamel curing, and bending).
Offers unparalleled scratch-resistance, thanks to the unique surface treatment	The Planibel Pure Comfort range delivers superior mechanical resistance compared with standard pyrolytic coatings. The products' smooth surface stays clean for longer and is easy to maintain  It can be used on single glazing or IGUs (P1/P4)
Enhanced electrical conductivity	Planibel Pure Comfort products can be heated for use in industrial applications such as commercial refrigeration.

## Benefit from unparalleled scratch-resistance

### — PLANIBEL PURE COMFORT —

#### Coating scratch-resistance

Comparison with a 1kg metal bloc "slipped" over the glass

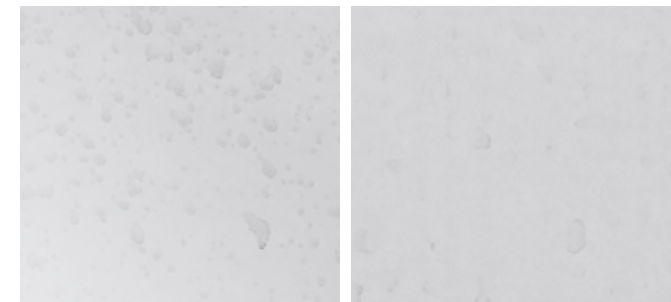


Coated glass without surface treatment

Planibel Pure Comfort with surface treatment

#### Smooth coating: less maintenance

Comparison of dried-up water droplet



Coated glass without surface treatment

Planibel Pure Comfort with surface treatment

The Planibel Pure Comfort product features make it ideal for use in high-end appliances and food display devices.