

# Thermobel Store 27C

## The perfect solution for optimal light control in any building

Thermobel Store 27C is an insulating glazing unit with a 27mm space filled with air or argon and adjustable blinds integrated between the two panes of glass. Thermobel Store 27C helps to maximise solar gain and protect your privacy. The unit can be installed in standard two-sided or four-sided rebates, or as structural glazing.

Thermobel Store 27C is available as a double-glazed unit or triple-glazing unit.

Thermobel Store 27C blinds can be controlled two ways:

- Manually: the blinds are raised, lowered and tilted using a cord, knob or rod.
- Automatically: the blinds are raised, lowered and tilted using an external motor controlled by a switch attached to the glazing or to an adjacent or distant wall.

Thermobel store 27C can be tailored to meet your needs, with AGC offering a wide range of glass in combination with the system (Planibel Clear, Coloured or silk-screen printed, Planibel AntiBacterial (AB), Stopsol, Sunergy, Planibel G, Planibel Low-E etc.).

The glass can be annealed, toughened (except Planibel AB) or laminated.

Thermobel Store 27C blinds are available in nine colours as standard.

### Applications

Thermobel Store is the perfect solution for any outdoor or indoor application and can be installed vertically in various locations:

- public buildings and offices;
- hospitals, clinics and laboratories;
- internal partitions.

Thermobel Store also helps to eliminate glare and reflections (in offices with screens).

## Benefits

Thermobel Store combines all the benefits of ordinary insulating glazing and blinds, while also delivering:

### Better solar control

Maximise solar gain

Can be combined with solar-control glass (minimum solar factor of 15% depending on the glass components used)

### Better light control

Control light levels

Make the most of daylight

Can be combined with low light-transmission glass

### Better thermal insulation

Ug value as low as 0.7 W/m<sup>2</sup>.K

Can be combined with low-e glass

### More hygienic

Dust-free environment

Easy to maintain: blinds protected by glass so no need to clean

Can be combined with Planibel AB

### More comfort

Privacy

Independent blind operation

Can be used in double-glazed or triple-glazed units

### More control

Easy to use

Can be controlled manually or automatically

Multiple glazings can be synchronised

Can be controlled remotely

Thermobel Store can be combined with laminated or toughened safety glasses

### More cost effective

No more day-to-day maintenance costs (no need to clean blinds)

Save on your heating and air-conditioning bills

### Guarantee

Ten years against humidity penetrating insulating glazing  
Five years for components on the inside of the insulating glazing

Two years for external components

Subject to compliance with good practices and excluding any installation or removal costs



# Technical specification

Thermobel Store standard performance – double glazing		
4 mm Planibel Clear glazing / 27 mm argon 85% and integrated blinds / 4 mm Planibel G		
Blinds	Ug (W/m².K)	Solar factor* (%)
open	1.6	66
closed	1.2	30
* with S155 blinds		
Thermobel Store standard performance – triple glazing		
4mm Planibel Top N+ / 12mm argon 85% / 4mm Planibel Clear / 27 mm integrated blinds / 4 mm Planibel G		
Blinds	Ug (W/m².K)	Solar factor* (%)
open	0.8	49
closed	0.7	25
* with S155 blinds		
Design		
Glass components: square or rectangular		
Types of glazing that can be used with Thermobel Store	Glazing thickness	
Planibel Clear or Coloured Planibel G Sunergy Clear or Coloured Imagin (provided pattern is compatible with insulating glazing assembly) Stratobel (for the safety of property and individuals) Stopsol Clear or Coloured Planibel TopN+ or Planibel EnergyN (for triple-glazing)	minimum: 4 mm  maximum (control side): 10.76 mm (Stratobel 55.2 or 44.6)	
Control methods	Width	Height
Cord	36 mm	19 mm
Rod	32 mm	50 mm
Knob	36 mm	36 mm
External motor	188 mm	36 mm
Certifications		
Thermobel Store has received technical approval	AT No. 6/09 1886 Technical approval of the French Scientific and Technical Centre for Building (CSTB)	
Other		
Thermobel Store dimensions	With technical approval	Without technical approval
Maximum dimensions	1,600 * 2,500 with 4mm internal pane	Inside only: Width 1,850 mm Height 3,000 mm
Minimum dimensions	Width ≥ 370 mm Height ≥ 370 mm	width ≥ 300 mm Height ≥ 300 mm
Blind colours (nine standard colours)	S102 white; S106 yellow; S125 ivory; S130 lime green; S142 sky blue; S149 apricot cream; S155 matt grey; S156 silver sparkle; S157 silver	

Thermobel Store is also available with a 22mm or 20mm cavity (air or argon filled)

For more information, please contact AGC

