

PLANIBEL TOP NT[®]

THE HIGH PERFORMANCE GLASS WITH A TOUGHENABLE MAGNETRON LOW-E COATING PRODUCED BY GLAVERBEL

With this addition to our range, Glaverbel offers a **global low-E solution**: a perfect match of high performance and neutral aesthetic products – annealed Planibel Top N, laminated Stratobel Top N, toughened **PLANIBEL TOP NT** and also toughened laminated Top NT. The combination of these products puts an end to all possible restrictions an architect might come across. He will always be able to find a solution that meets local safety regulations **without compromising on aesthetics or performance**.

As well as for traditional building applications, **PLANIBEL TOP NT** could also be considered for refrigerators and glass for transportation.

DESCRIPTION

PLANIBEL TOP NT is a clear glass with a magnetron low-E coating which is designed to be assembled in double glazed units after toughening.

Once it has been toughened, **PLANIBEL TOP NT** is similar to Planibel Top N in terms of both light transmission and reflection. It also provides a high level of thermal insulation, potentially up to a **U-value of 1.2** in double glazing with 100% gas filling (according to EN 673).

PLANIBEL TOP NT

completes the range of low-emissivity glasses from Glaverbel.

Traditionally, high performance low-emissivity glass had to be coated after toughening, which imposed significant restrictions in terms of service.

Glaverbel now offers a unique solution to this problem:

PLANIBEL TOP NT is a high performance low-emissivity glass whose coating can withstand the toughening process.

PLANIBEL TOP NT is designed to be assembled in double glazing after toughening.



ADVANTAGES

For the glass processor

The product can be kept **in stock** due to its long shelf life (3 months); **PLANIBEL TOP NT** is always there when the processor needs it!

This high performance glass can be **locally processed** which means that all **operations** (cutting – toughening – double glazing) are **decentralised**. As a result the glass processor is able to provide the best service to his customers:

- short delivery times
- possibility to deliver small quantities or replacement of double glazing units on site

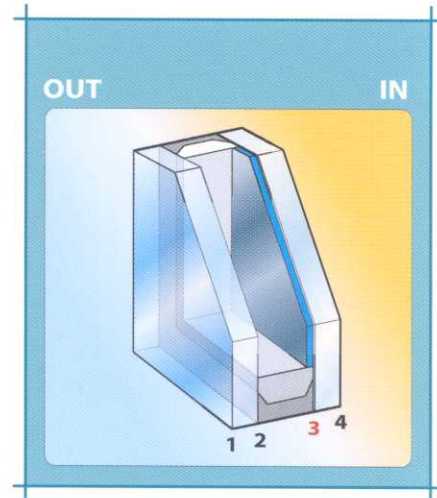
Consequently, the same service level as for Planibel Top N can be expected.

For the architect or builder

In terms of **aesthetics**, toughened **PLANIBEL TOP NT** has the same high performance as Planibel Top N which is considered the European benchmark in its field.

- very neutral appearance
- low reflection
- high light transmission

As Glaverbel offers the full range of solutions (Planibel Top N, **PLANIBEL TOP NT** and Stratobel Top N), the architect can find **flexible solutions** adapted to all needs.



CHARACTERISTICS

When assembled in double glazing with the coating in **position 3** :

	PLANIBEL TOP NT (#3)	PLANIBEL TOP N (#3)	Toughened, laminated PLANIBEL TOP NT	STRATOBEL TOP N (#3)
	4-16-4**		4-16-44-1**	
U-value	90%* 100%*	1.2 1.2	1.2 1.2	1.2 1.1
Light Transmission		79	76	76
Solar Factor		67	66	64
Light reflection		13	13	13

* % = argon filling

** structure Stratobel 44.1 = float 4 mm – 1 PVB interlayer – float 4 mm

AVAILABILITY (STANDARD SIZES)

Thickness			
mm	3210 x 6000	3210 x 2000	3210 x 2250
4	x	x	x
6	x		
8	x		

x= available

TECHNICAL RECOMMENDATIONS FOR THE GLASS PROCESSOR

PLANIBEL TOP NT is a high performance glass that needs particular attention. We recommend you get first in touch with your local Glaverbel agency. If necessary, they will put you in contact with one of our specialists who will guide you through the technical issues.

On MyGlaverbel.com - the ultimate glass link, you can consult the complete processor's guide.

Registering on our site is free of charge.



www.MyGlaverbel.com

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