



# STOPRAY GALAXY®

A HIGH-QUALITY SOLAR-CONTROL PRODUCT WITH SUPERB  
INSULATING FEATURES



*This newest addition to the Stopray range takes its rightful place as one of Glaverbel's leading products.*

*Stopray Galaxy can be summed up in just a few words: superb solar control, neutral colour, low reflection, high selectivity and superb insulation.*

**Important:**  
Stopray Galaxy will not be available until the second half of 2003

## PRODUCT

Stopray Galaxy is a double glazing in which the inner side (position 2) of one of the sheets of glass is coated with an extreme thin layer of precious metal. This coating gives Stopray Galaxy its extraordinary energy qualities.

## BENEFITS

The ratio of light transmission to solar factor – i.e. selectivity – ensures that the coating allows maximum light transmission while at the same time keeping out a large proportion of infrared radiation. A selectivity rating of up to 2 yields the perfect natural ratio.

Stopray Galaxy offers light transmission of 40% and a solar factor of 21%, allowing you to realise enormous savings on your air conditioning costs.

The thin layer of precious metal not only keeps solar heat out, but also reflections interior heat back into the room, meaning that heat conduction from and to the outside world is kept to a minimum. The 1.1 U-value of Stopray Galaxy therefore offers you welcome savings on heating costs.

Energy absorption is such that for a number of applications toughening the glass to counter thermal stresses is simply not necessary. However, we do advise you to consult Glaverbel's technical departments for confirmation.

## APPLICATIONS

Nearly 80% of solar energy is kept out, meaning that you can use Stopray Galaxy in all kinds of applications where solar control is important. This solar-control glazing also offers superb insulation in winter. Stopray Galaxy is ideal for commercial buildings, buildings with large glass surfaces, conservatories and skylights.

With its neutral appearance Stopray Galaxy blends perfectly with every type of building, classical and modern.

Stopray Galaxy can be used in curtain wall facades. Its neutrality and light reflection characteristics are such that its appearance is greatly influenced by incident light and reflexion from its surroundings.

Depending on the effect that you wish to achieve, be it harmonious or contrasting, you can choose from Glaverbel's range of monolithic spandrels. For spandrels in double glazing Glaverbel offers a made-to-measure solution.

## TECHNICAL SPECIFICATIONS

Composition	Light transmission (LT) %	Exterior light reflection (LR) %	Solar factor (SF) % <sup>(1)</sup>	Energy absorption (EA) %	U-value W/m <sup>2</sup> .K <sup>(2)</sup>
6-12 gas -6 mm	40	16	21	53	1.2 <sup>(3)</sup>
6-15 gas -6 mm	40	16	21	53	1.1
6-12 air -6 mm	40	16	21	53	1.6
6-15 air -6 mm	40	16	21	53	1.4

(1) calculated according to EN410 - (2) calculated according to EN 673 - (3) filled with argon gas

## SPECIFICATIONS

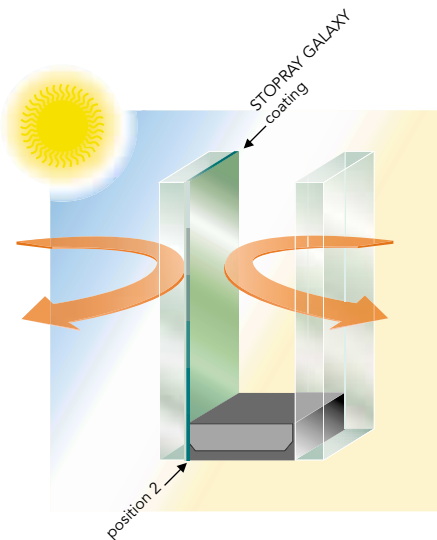
Stopray Galaxy: solar-control double glazing with superb thermal insulation. The glazing consists of two sheets of glass separated from each other by a hollow metal frame filled with a desiccant. The entire assembly is hermetically sealed by a double elastic seal that ensures optimal cohesion for many years.

The outer glass is a clear sheet of float glass whose inner side (position 2) is coated with a thin layer of precious metal applied using a cathodic vacuum sputtering process.

The inner glass is clear float.

The cavity between the sheets of glass is filled with a dry, thermally insulating gas mixture. This gas mixture provides better insulation than air.

LT	40%
SF	21%
LR	16%
U	1.2 W/m <sup>2</sup> .K (with argon in a 12-mm cavity)
	1.1 W/m <sup>2</sup> .K (with argon in a 15-mm cavity)



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