



4.8MM STADIP® PLUS LAMINATED GLASS

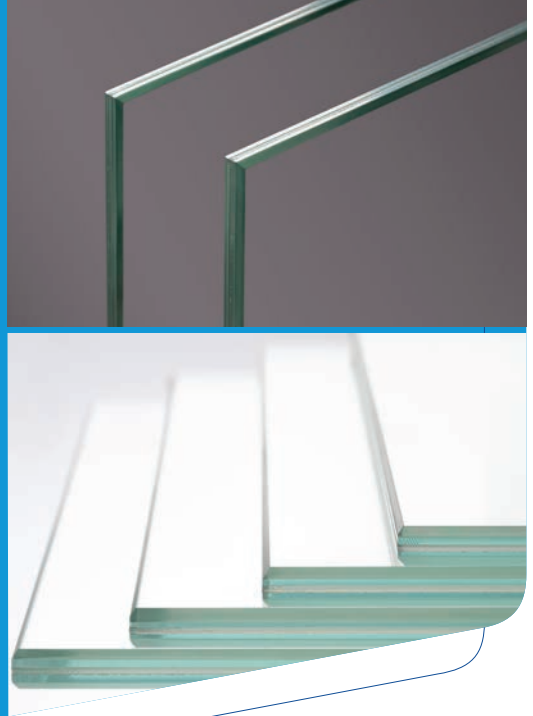
*Thinner¹ laminate with P2A² safety & security performance
for double and triple-glazed units*



4.8mm STADIP® PLUS laminated glass

Combining the P2A² safety and security performance of other products in the STADIP® range with a thinner, lighter construction.

4.8mm STADIP® PLUS can also help to optimise glazing configurations, improve light transmission³ and enhance acoustic performance⁴.



BENEFITS

- Achieves P2A² safety and security standard
- Available in coated variants, including PLANITHERM® NEO, to suit a range of specifications
- Suitable for both double-glazed units (DGUs) and triple-glazed units (TGUs)
- Supports the achievement of lower U-values⁵ in specific configurations

REDUCED WEIGHT¹

- The reduced weight makes processing, handling, transportation and installation more straightforward when compared to heavier equivalent products
- Can help to reduce load on window systems, hinges and locking mechanisms
- Can enable larger insulated glazing unit (IGU) cavity sizes for improved U-values in specific configurations⁵

LIGHT TRANSMISSION

- Delivers higher light transmission than thicker laminated alternatives in some configurations³

ACOUSTIC PERFORMANCE

- Achieves a 2–3dB acoustic improvement in a typical 4/16/4.8 DGU configuration, when compared with 4/16/4 monolithic glass⁴. For more information, visit [Calumen.com](https://calumen.com)

ENVIRONMENTAL CREDENTIALS

- Made using PLANICLEAR®, lower-carbon flat glass as standard. PLANICLEAR® is now a lower-carbon, clear float glass, based on the product's new, third-party verified EPD⁶ (published June 2026). The new declaration shows a carbon reduction of more than 34% compared with the previous PLANICLEAR® EPD. PLANICLEAR® now achieves 7.22kg CO₂e/m² for 4mm glass (Global Warming Potential categories A1-A3). This flat glass substrate is manufactured as standard by Saint-Gobain Glass UK & Ireland
- Manufactured in the UK, which can help support supply chain security and product availability
- Using 1 tonne of cullet in the manufacture of new float glass prevents the use of 1.2 tonnes of virgin raw materials and 700kg of CO₂ emissions (scopes 1, 2 & 3)⁷

PERFORMANCE

	Double Glazed Unit (DGU)			
EXTERNAL PANE	4.8mm STADIP® PLUS	6.8mm STADIP®	4.8mm STADIP® PLUS	6.8mm STADIP®
INTERNAL PANE	PLANITHERM® TOTAL+		PLANITHERM® NEO	
COMPOSITION IN MM	4.8 (16) 4	6.8 (14) 4	4.8 (16) 4	6.8 (14) 4
LOW-EMISSION COATING POSITION	Face 3 ⁸	Face 3	Face 3	Face 3
LIGHT TRANSMITTANCE TL** (%)	79	78	73	72
LIGHT REFLECTANCE EXTERNAL RLE** (%)	13	13	20	19
SOLAR FACTOR G-VALUE** (ARGON 90%)	0.67	0.66	0.51	0.50
U-VALUE* IN W/M².K (ARGON 90%)	1.2	1.2	1.0	1.1

*according to EN673 **according to EN410

	Triple Glazed Unit (TGU)			
EXTERNAL PANE	4.8mm STADIP® PLUS	6.8mm STADIP®	4.8mm STADIP® PLUS	6.8mm STADIP®
INTERNAL PANE	PLANITHERM® TOTAL+		PLANITHERM® NEO	
COMPOSITION IN MM	4.8 (16) 4 (16) 4	6.8 (14) 4 (16) 4	4.8 (16) 4 (16) 4	6.8 (14) 4 (16) 4
LOW-EMISSION COATING POSITION	Faces 3 & 5	Faces 3 & 5	Faces 3 & 5	Faces 3 & 5
LIGHT TRANSMITTANCE TL** (%)	69	69	59	59
LIGHT REFLECTANCE EXTERNAL RLE** (%)	17	16	27	27
SOLAR FACTOR G-VALUE** (ARGON 90%)	0.58	0.57	0.40	0.39
U-VALUE* IN W/M².K (ARGON 90%)	0.6	0.6	0.5	0.6

*according to EN673 **according to EN410

References

1. Compared to 6.8mm STADIP® laminate glass.
2. P2A is a recognised classification under EN 356 for security glazing. To achieve this rating, the glass must resist three repeated impacts from a 4.1kg steel sphere dropped from a height of 3 metres.
3. Comparing 22.2 PLUS (16mm cavity, 90% argon) 4mm PLANITHERM TOTAL+ (face 3) with a light transmittance of 79%, with a 33.2 (14mm cavity, 90% argon) 4mm PLANITHERM TOTAL+ (face 3) with a light transmittance of 78%.
4. Comparing 4(16mm cavity, 90% argon) 22.2PLUS with a Calumen simulated Rw of 34 (-1; -5) dB, with 4(16mm cavity, 90% argon)4 with a simulated Rw of 31 (-1; -4) dB.
5. Refer to performance table for comparable values in different configurations, e.g. 4.8mm STADIP®/16mm cavity/4mm PLANITHERM® NEO (face 3) with a U-value of 1.0 W/m².K, when compared with 6.8mm STADIP®/14mm cavity/4mm PLANITHERM® NEO (face 3) with a U-value of 1.1 W/m².K.
6. EPD – environdec.com.
7. The benefit of cullet use is based on a calculation which uses Life Cycle Analysis level data representing all Saint-Gobain Glass European float lines producing architectural glass.
8. In a standard double glazed unit (DGU) there are four potential surfaces to which coatings can be applied: surface 1 faces outdoors, surface 2 and surface 3 face each other inside the DGU, separated by a peripheral spacer which creates an insulating air space, and surface 4 faces directly indoors.
9. The Saint-Gobain recommendation is to always toughen the centre-pane of a triple-glazed unit when using silica glass.
10. Performance data calculated using Calumen.com and is correct at the time of publishing (24.06.2026) but is subject to change at any time.

This document is regularly updated; information in this document is subject to change. Please check with your local sales and specification team. All trademarks are registered trademarks of Saint-Gobain Glass or affiliates, part of Saint-Gobain group. Images are for illustrative purposes only.



SAINT-GOBAIN GLASS
Weeland Road
Eggborough
East Riding of Yorkshire
DN14 0FD UK
saint-gobain-glass.co.uk

