

SAATIstyle® Exterior

Where Light Defines the Façade – Metalized Fabrics for Laminated Glass in Contemporary Architecture



SAATI

SAATI is a multinational company that develops, manufactures, and commercializes highly advanced technical fabrics and chemicals for industrial use, such as: automotive, consumer electronics, graphics, ballistic protection and architecture.

SAATIstyle is our collection of metallized polyester fabrics designed for architectural applications.

These materials transform glass into a living surface.

Light does more than pass through: it interacts, modulates, and reveals depth, turning simple panels into spatial experiences.

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SAATIstyle®

SAATIstyle transforms glass from a passive enclosure into an active architectural element. Metallized polyester fabric laminated within glass modulates light transmission through calibrated mesh openings. Seven product types offer different balances between transparency and visual screening.

An aluminium vapor deposition coating imbues the woven monofilament polyester base with reflective properties while maintaining the flexibility associated with light fabrics. The woven structure allows light to pass through while fragmenting and redirecting it, creating studied transparency: visual connection with attenuated clarity.



Click to View the SAATIstyle® Exterior Design Product Range

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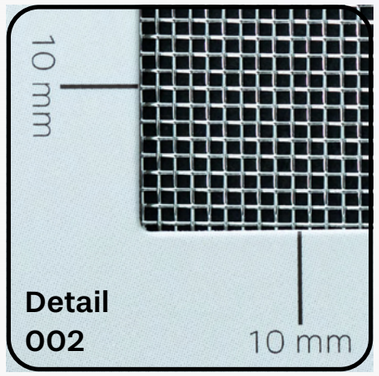
SAATIstyle 002

Light meets surface and becomes architecture. SAATIstyle 002AL wraps laminated glass in a metalized fabric that captures and reflects natural light, shaping dynamic and ever-changing façades. Colors, shades, and patterns can be fully customized to suit the project and its urban context.

Surfaces are more than a protective layer: they become an experience, a dialogue between light, space, and form.



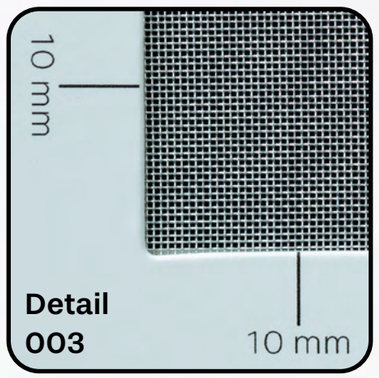


SAATIstyle 003

A fine weave that defines spatial perception.

SAATIstyle 003AL balances transparency, allowing light to filter gently while creating visual depth across exterior façades. Its lightweight texture integrates aesthetics with function, offering solar control and privacy without compromising visual openness.

Every surface becomes a design element, transforming light into an architectural material.



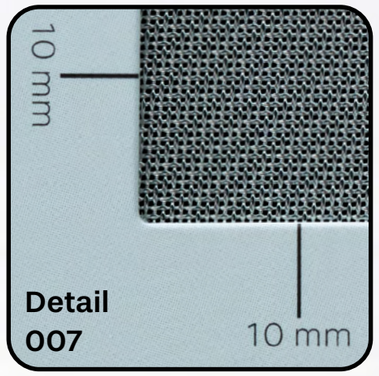


SAATIstyle 007

Glass becomes landscape, façades shift with the sun. SAATIstyle 007AL features a diagonal pattern that plays with light and shadow, adding depth and rhythm to exterior volumes.

The metalized fabric integrated within laminated glass enables exploration of color and material effects, creating façades that are both distinctive and responsive.

Each element interacts with the surrounding architecture, forming a contemporary skin for the building.







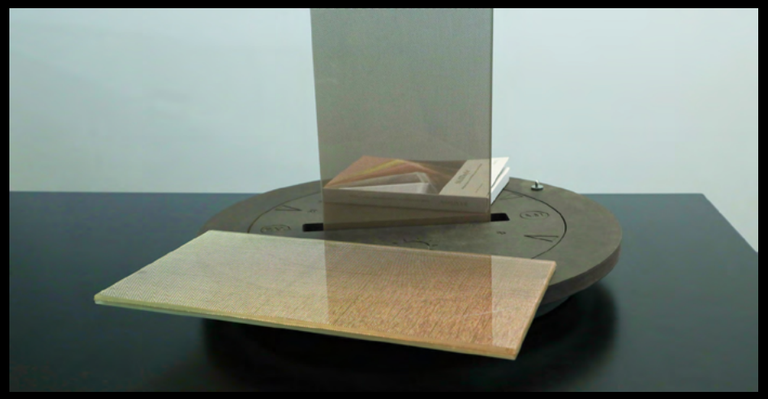
Light in Motion

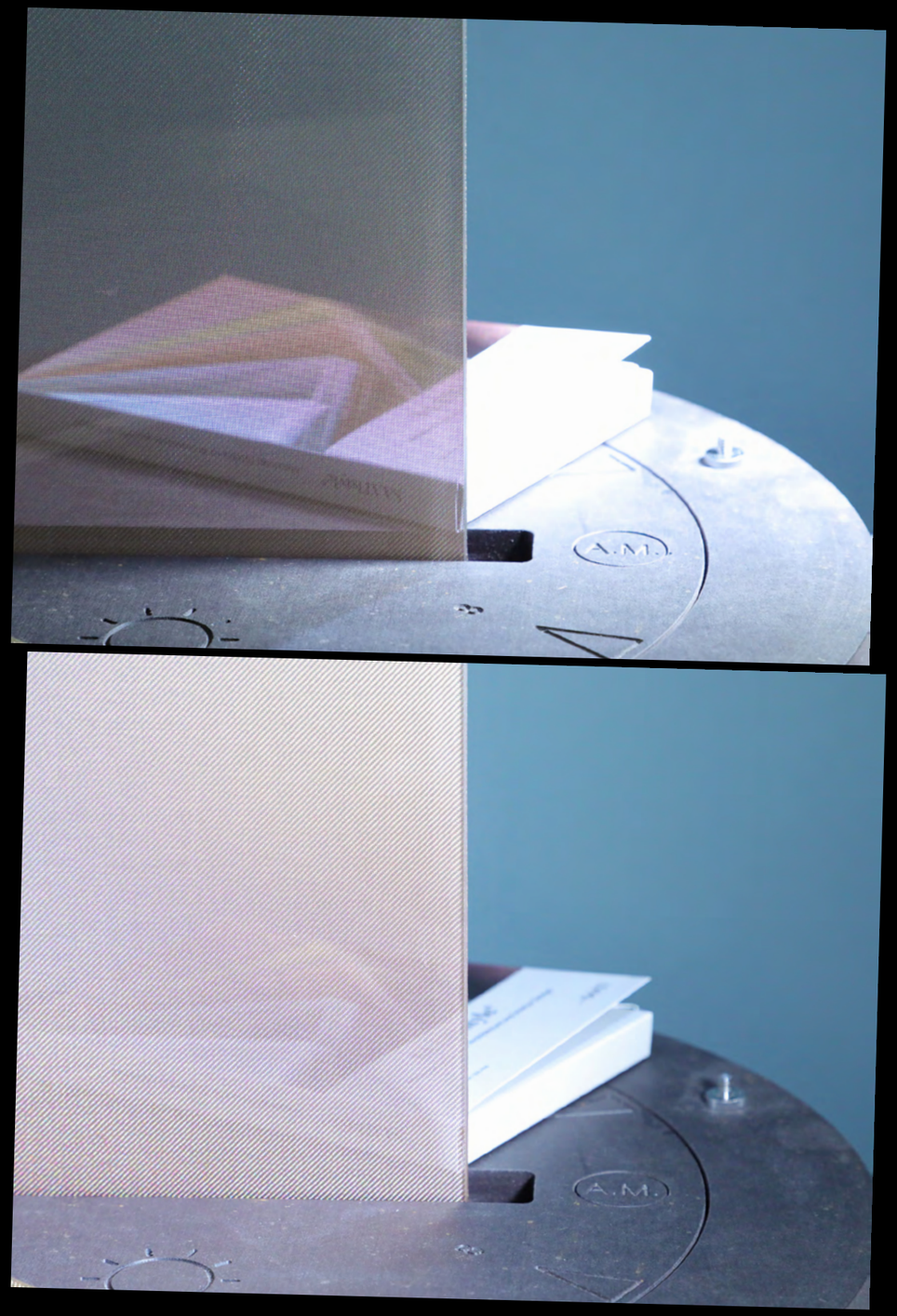
The metalized mesh interacts with light, never remaining static. Its reflection and transparency shift with the angle of incidence, creating façades that change throughout the day.

During daylight, the exterior reflects strongly, ensuring privacy and visual comfort.

At night, with interior lighting, the effect reverses, revealing subtle depth. Raking light maximizes reflection while minimizing transparency, whereas zenithal light achieves a balanced interplay between visibility and sheen.

Every behavior is intentional and can be precisely designed. GlassAdvisor provides performance data, while physical samples allow you to experience the material in real conditions, revealing how light shapes perception.





Custom Design



⋆ printed prototypes

SAATIstyle allows you to transform metalized mesh into a canvas for your vision. Colors, gradients, and patterns can be fully customized, giving every façade or interior surface a unique expression. You can explore subtle tonal shifts, bold color accents, or intricate decorative motifs, imagining how light will interact with each design.

The printing process ensures precision and continuity, allowing you to bring sketches, inspirations, or conceptual themes to life directly on the mesh. Every project becomes an opportunity to define your own architectural language, turning surfaces into expressive, functional art.

Laboratory

Testing and Results

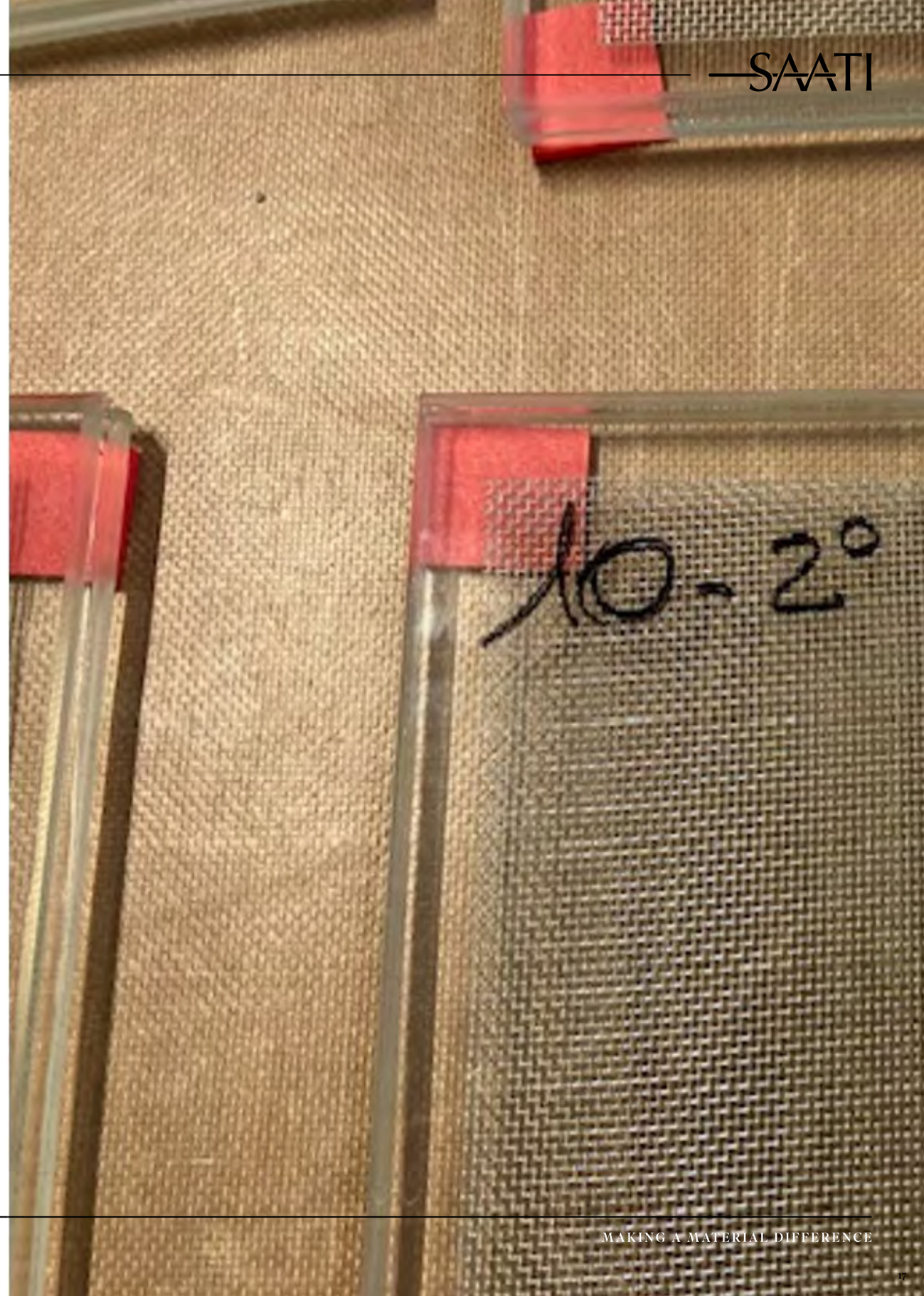
Durability Testing (EN ISO 12543-4:2021)

The SAATIstyle product range has successfully passed durability tests according to EN ISO 12543-4:2021 standard, confirming their suitability for laminated safety glass applications. The tests, conducted by a certified lab, subjected laminated glass samples containing the decorative fabrics to two critical tests: a high temperature test (procedure B, 16 hours) and a humidity test with condensation. The tested samples consisted of 4mm low-iron float glass on both sides, 0.76mm SentryGlas interlayer, and the SAATIstyle fabric inserted between the layers. All samples passed both tests without showing bubbles, delamination, or cloudiness, demonstrating the excellent resistance of **SAATIstyle** products to critical environmental conditions and ensuring long-lasting performance for high-quality architectural applications.

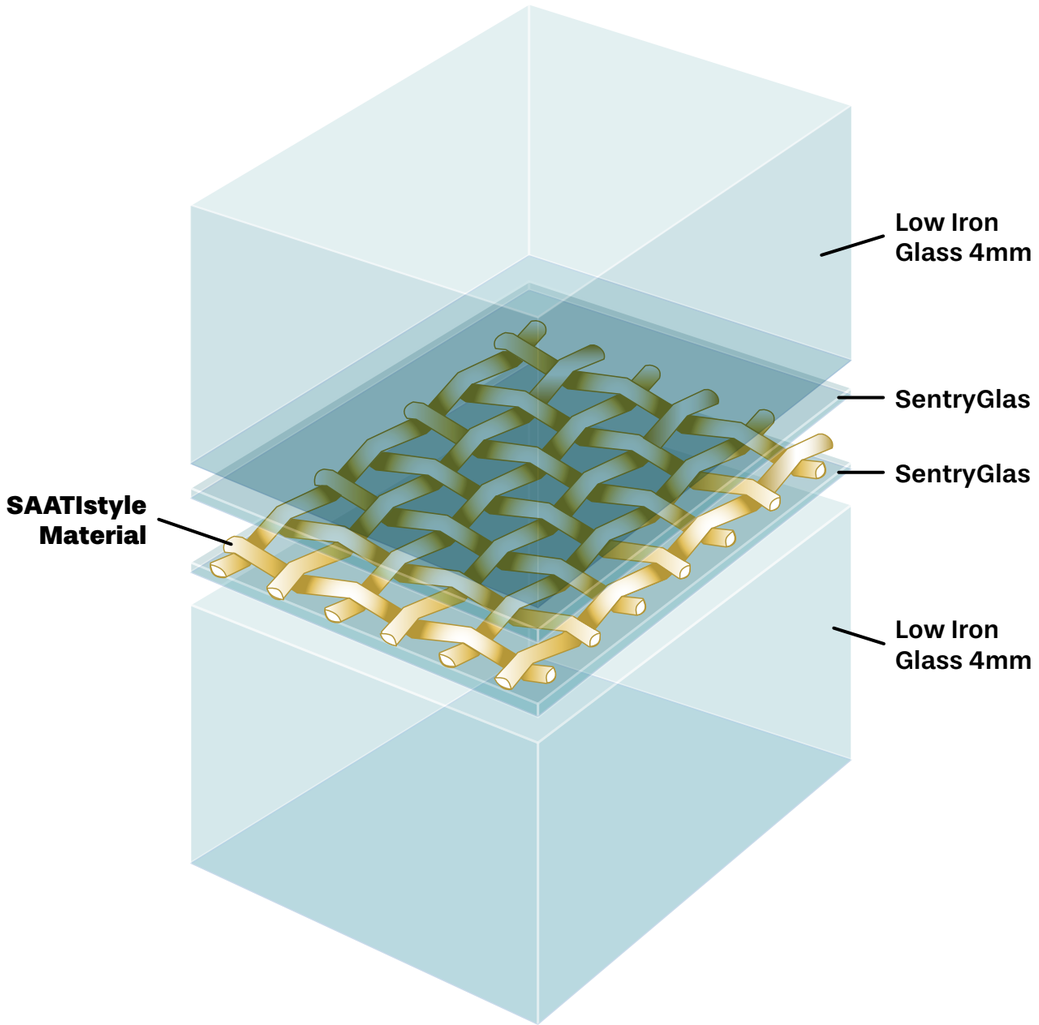
Pendulum Impact Test (EN 12600:2002)

SAATIstyle products achieved performance classification 1(B)1 according to EN 12600:2002 standard, successfully passing the pendulum impact test. Laminated safety glass samples, with dimensions of 1938 x 876mm, were subjected to impacts from three different heights (190mm, 450mm, and 1200mm) by a certified laboratory using calibrated equipment. The glass demonstrated resistance to the maximum impact provided by the standard (height of 1200mm) with breakage modes conforming to safety requirements, confirming its suitability for architectural applications where high impact resistance performance and personal protection are required.

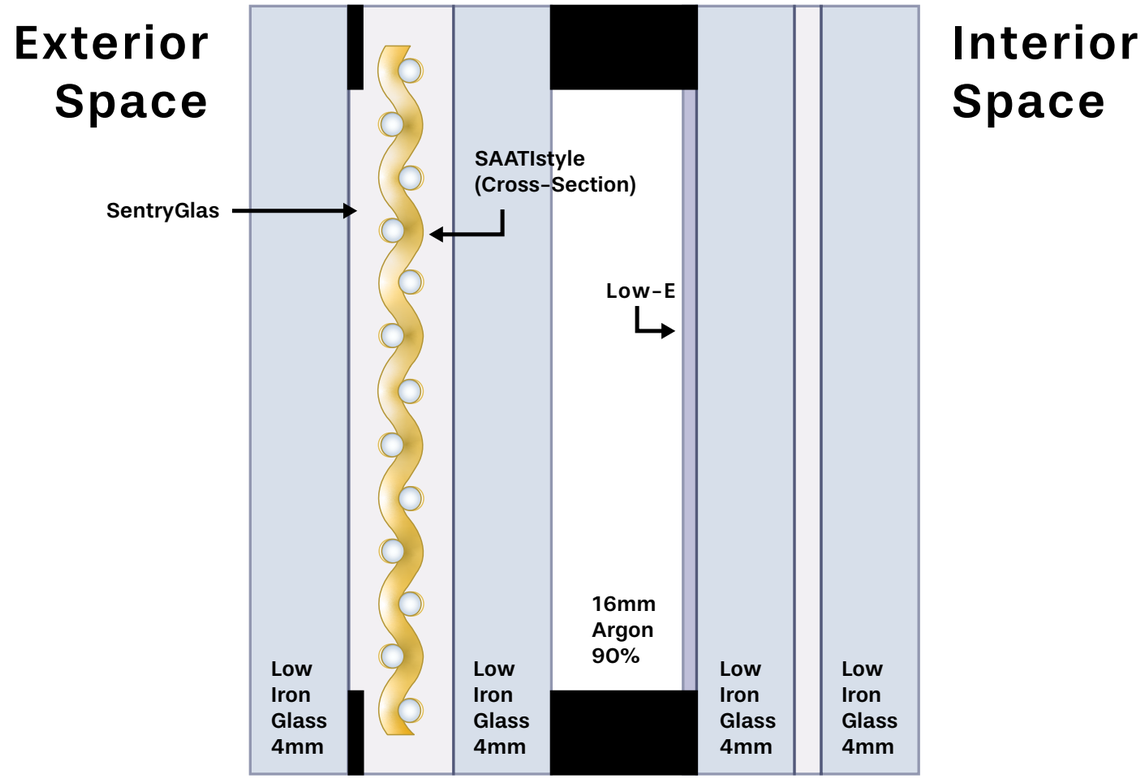
***Composition**: low-iron glass (4mm) + SentryGlas (0.76mm) + fabric + SentryGlas (0.76mm) + low-iron glass (4mm). Symbolic diagram on **page 18**



SAATIstyle Construction



SAATIstyle in Double Unit Glazing



SAATIstyle 002AL
Ug 1.0 LT 41% SF 30%

SAATIstyle 003AL
Ug 1.0 LT 33% SF 24%

SAATIstyle 007AL
Ug 1.0 LT 20% SF 16%



Product Performance

Configuration	SAATIstyle	Energy & Light Value		Link
44.4 SAATIstyle 16 Argon 90% 44.2 Low-E 0.01	**002AL**	Ug Thermal Transmittance	1.0 W/m²K	Click to View on glassAdvisor
		g Solar Factor	30%	
		Tv Light Transmission	42%	
	003AL	Ug Thermal Transmittance	1.0 W/m²K	Click to View on glassAdvisor
		g Solar Factor	24%	
		Tv Light Transmission	33%	
	007AL	Ug Thermal Transmittance	1.0 W/m²K	Click to View on glassAdvisor
		g Solar Factor	16%	
		Tv Light Transmission	20%	

* *The values in the table must be considered as references, suggestions for design, they were obtained from individual samples. The technical information, recommendations and other statements contained in this document are based upon tests or experience that SAATI® believes are reliable, but the accuracy or completeness of such information is not guaranteed.*

Click to visit the glassAdvisor website

Recommendations

- When handling the fabric, always take care to avoid contamination that could stain the material. Test compatibility between the fabric and any materials that come into contact with it.
- Choose an interlayer with a minimum thickness of 0.76mm both above and below the fabric, based on desired qualities such as humidity or mechanical stress resistance.
- For better insulation, leave a 10mm perimeter without fabric to achieve proper sealing, and mask the glass edge with an outer profile.
- When cutting the fabric, ensure all shapes are cut in the same direction, as the fabric has a directional pattern that becomes evident during lamination. The fabric can be cut cold or warm; if warm, avoid excessively high temperatures to prevent burn marks on edges.
- We have tested the lamination of our material and created a tutorial demonstrating tips and best practices for achieving optimal lamination results. Note that the glass processing company is ultimately responsible for the lamination process.
- We recommend verifying the actual effect of SAATIstyle® fabric through a laminated glass sample.
- Store all SAATIstyle® materials in a dry, clean indoor environment with no direct sunlight exposure Keep materials horizontal within bubble wrap and never stack them. Always handle with clean, lint-free gloves.





Project Support



Need material samples or technical specifications?
Reach out for support tailored to your project needs.

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Disclaimer

The information provided in this brochure is intended for general informational purposes only. While we strive to ensure the accuracy and reliability of the details about our products, we cannot guarantee that all information is complete or up-to-date. Users should request to SAATI for the technical specifications of the products before submitting any purchase order and verify the suitability of products for their intended use as well as products compliance with any applicable laws, based on such use.

We strongly recommend conducting appropriate tests and evaluations to ensure compatibility and safety for specific applications. SAATI is not responsible for any damage or harm resulting from the improper use, application or handling of the products.

Always follow the safety instructions provided with each product and consult relevant guidelines and regulations in your region before use. All products, drawings, products specifications and data in this brochure are subject to change without notice to improve reliability, function, design or otherwise.

Not all products and/or product features may be available in all countries and regions. For more information, please contact our customer service team.

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SAATI is Social

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