

Winning products have **PUJOL** and **EVALAM** making their mark at Glasstec

Showcasing its industry leadership in an impressive, 420-square-metre exhibition space, PUJOL presented its extensive range of solutions for the safety glass sector at Dusseldorf this year - meeting diverse market demands while demonstrating the company's commitment, jointly with EVALAM, to advancing its innovative offer to the industry.



Evalam Color, with the new 4 colors (caribbean blue, cement grey, copper & bronze)

Glasstec 2024 saw Temper Flex being numbered among the groundbreaking technologies displayed by Pujol. It's the first glass tempering oven on the market with high productivity and high installed power. Temper Flex can work at a double range of installed power and at a double speed "ECO" or "PRO". This innovative system can adjust its power consumption to align with customer needs and enable precise energy control for varying production requirements, reducing overall consumption.

More specifically, the Temper Flex offers the following unique benefits:



AB-AR a post-breakage structural interlayer of EVALAM



General view of the stand



Evalam Visual

- High production flexibility: designed to adapt to fluctuating production needs.
- Superior product quality: delivers high-quality finishes with exceptional flatness and minimal anisotropy.
- Cost savings and profitability: reduces energy costs per square meter and provides a rapid return on investment.
- Low maintenance requirements: minimizes downtime and maintenance expenses, maximizing operational efficiency.

Pujol also introduced the Pujol 100 PVB+, an oven tailored for the efficient lamination of PVB glass without the need for costly air-conditioned facilities, additional calendaring equipment, or accessories for humidity control. This disruptive technology has proven its value, with 52 units already installed across 28 countries over the past 11 years.

KEY ADVANTAGES OF THE PUJOL 100 PVB+ INCLUDE

- Versatile lamination: capable of processing PVB, EVA, and ionoplast (SGP) interlayers.
- Humidity and temperature independence: no climate control is required, reducing operational costs.
- Elimination of pre-laminating requirements: operates without a calendaring system or high-power compressors.
- Energy efficiency: achieves up to 70 percent energy savings compared to traditional autoclave systems.
- High thickness capacity: supports up to 40 mm in a single tray or up to 60 mm in smaller glass units.
- Uniform heating: uses a dual-sided heating plate system for consistent temperature distribution.
- Space optimization and productivity: while one load is processed, the other



General view of the stand



Lam-Pro Oven

er is prepped, optimizing cycle times.

- High output with minimal staffing: enables efficient high-volume production with a reduced labor footprint.

Also on display was the LAM-PRO series, designed for companies seeking high performance with lower investment. This series balances quality with efficiency, making it ideal for firms

aiming to maintain top-notch results without compromising on budget.

ADVANTAGES OF THE LAM-PRO SERIES

- Production flexibility: independent, isolated working chambers.
- Eco-friendly design: minimizes environmental impact.
- High productivity: features an automatic rapid cooling

system.

- Industry 4.0 compatibility: equipped with Pujol's e-Connect technology for advanced connectivity (model dependent).
- Uniform heating: features a double-layer radiation system with air homogenization.
- Quality control: the vacuum bag in Omega enhances glass quality.
- User-friendly software: includes customizable pro-

gramming functions.

- Ergonomic design: built to improve productivity and reduce operator fatigue.

Additionally, Pujol introduced Talgo Bending - ARKTK, a specialized oven for producing 5x3x1.2-metre curved gravitational glass. This technology allows for the creation of large, distortion-free curved glass, expanding possibilities in architectural applications. Evalam, a division of the Pujol Group, highlighted its expertise in EVA and other interlayers for architectural and decorative glass, showcasing products that have cemented Evalam's reputation as a global leader in inter-layer solutions. Products featured by Evalam included:

EVALAM VISUAL

Distinguished by its superior transparency, unmatched adhesion, excellent acoustic insulation, and a high crosslinking index, Evalam Visual is the ideal choice for projects where optical clarity and durability are paramount. Evalam Visual provides numerous benefits:

- High transparency



- 87 percent cross-linking
- Edge stability: maintains integrity at open edges.
- UV filtering
- Strong adhesion
- Acoustic insulation
- Safety protection
- Fire resistance

EVALAM COLOR

Designed for architects and interior designers, Evalam Color offers durability, colour uniformity, and an expanded palette. With recent additions like caribbean blue, cement grey, copper and bronze, this product line meets the demand for vibrant, lasting colours. Evalam Color is engineered for durability under high temperatures, without tonal

degradation, thereby ensuring vibrant colour longevity.

Key advantages of Evalam Color include:

Temperature tolerance:

- Operates up to 120°C without colour loss.
- Extended longevity: maintains colour quality over time, outperforming other brands.
- Certified for outdoor use: four shades of white and one black meet European outdoor standards.
- Vast colour range: offers over 300 colour variations for customized solutions.

AB-AR

Evalam also introduced

AB-AR, a structural interlayer developed for high-safety applications in public spaces or areas requiring support under high linear loads. AB-AR provides a higher degree of post-breakage safety, essential for tempered glass installations in high-traffic environments.

Advantages of AB-AR include:

- Post-breakage performance: ensures structural stability after glass breakage.
- Impact resistance: withstands forceful impacts in crowded areas.
- Temperature resilience: performs reliably above 50°C.

- UV protection
- Enhanced safety
- No air-conditioning needed: reduces maintenance complexity.

I-ON BY PUJOL

Another highlight from the Pujol Group was I-ON, a PDLC laminated solution allowing seamless transitions between transparent and private glass, fully integrable with home automation systems. This technology offers broad applicability in residential and commercial settings, providing flexible privacy control with aesthetic appeal. Pujol and Evalam's continued innovation, evident at Glasstec 2024, reflects their commitment to pushing the boundaries of glass technology. From energy-efficient laminating solutions to vibrant interlayer options and privacy-enhancing systems, Pujol Group's offerings address the evolving needs of the architectural glass sector. This year's exhibition solidified Pujol's position as a leader in glass processing technology, underscoring the company's dedication to sustainable, high-performance solutions for global markets.



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Temper Flex, the new glass tempering oven of Pujol

