



PRESS RELEASE

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SAINT-GOBAIN GLASS LEADS THE WAY WITH THE WORLD'S FIRST LOW-CARBON GLASS

Saint-Gobain Glass has achieved a **landmark technical innovation** enabling it to offer a **new glass with the lowest embodied carbon** on the façade market. This industry first was accomplished through a production combining **high recycled glass content (around 70% of cullet) and renewable energy**, thanks to a substantial R&D effort and the excellence of our industrial teams.

As facades represent up to 20 % of a building's carbon footprint, this innovation will **significantly reduce the carbon footprint of construction and accelerate the development of the circular economy.**

Saint-Gobain Glass's innovation echoes the first zero carbon production¹ completed in May 2022 at its Aniche factory in France, which allowed the company to significantly refine its manufacturing processes and expertise.

Saint-Gobain Glass is now integrating low carbon products in its portfolio of solutions for facade, starting with the COOL-LITE® XTREME solar control range, **without any compromise on technical or aesthetic performance.**

The new products will use a glass with an estimated carbon footprint of only **7 kg CO₂eq/m²** (for a 4mm substrate). This new low carbon glass will be combined with the existing COOL-LITE® XTREME coating technology, which already **drastically reduces carbon emissions generated by energy consumption needed when using the building** thanks to its high performance in terms of daylight intake, solar control and thermal insulation.

As a result, **the new range will offer the lowest carbon footprint on the market with a reduction of around 40% compared to our European baseline product.**

The detailed environmental data will be documented through third party-verified environmental product declarations – EPDs (or FDES in France) – which are currently under development and scheduled for availability in in early 2023.

As an early demonstration of the market's enthusiasm, **three major real estate partners - Bouygues Immobilier, Icade Santé and Nexity** - have already committed to use low carbon COOL-LITE® XTREME glass in their projects. Bouygues Immobilier will implement it on its office building operation Kalifornia (Hauts-de-Seine, France). Icade Santé will install it on the *Polyclinique du Parc* operated by the Elsan group in Caen (Calvados, France) while Nexity will use it on the Carré Invalides rehabilitation project (Paris, France) – three ambitious projects from an environmental point of view.

This pioneering initiative is a first step towards an expanded low carbon offer across the different markets of Saint-Gobain Glass. **It is fully in line with Saint-Gobain Grow & Impact strategy, in particular our roadmap towards carbon neutrality by 2050.**

¹ Scope 1&2: Scope 1 = direct emissions (energy and process), Scope 2 = indirect emissions related to supplied energies (electricity, heating....)