

Carbon-free STRATO® EVA highlights SATINAL's green commitments

A sustainable line for Safety Glass products, STRATO® EVA blends mechanical properties with aesthetics while inspiring innovative architectural solutions through interlayers that will provide thermal and solar advantages for all-glass structures. Here SATINAL's ISCC Plus certified supply chain ensures high environmental standards, renewable energy use, waste reduction and a low carbon footprint - all to offer optimum quality solutions that can meet ambitious eco-friendly targets.

STRATO® EVA Carbon Free is an exceptional range of products, entirely manufactured in Italy, that has the ambitious aim of fostering sustainability within the Safety Glass Industry. Such innovative offerings have been meticulously crafted by blending mechanical and structural properties - all exhibiting aesthetic characteristics that render them a

source of inspiration for new architectural solutions.

MERGING MODERNITY WITH DESIGN EXCELLENCE

The thermal and solar attributes of STRATO® EVA interlayers yield a final composite material that's exceptionally-suited for shaping architectural masterpieces made entirely of glass. Today glass has become syn-

onymous with modernity. By introducing the concept of transparency into urban landscapes, it's now possible to facilitate the seamless fusion of art and engineering - paving the way for fresh creativity in terms of new living options. Here, in stimulating innovation, existing structures can be rejuvenated through the integration of cement, steel, or wood with safety glasses. Here the dematerialisation

of boundaries between interior and exterior spaces plays a pivotal role in maximising the inflow of natural light as it alleviates thermal discomfort for building occupants. While glass presents an enduring challenge, this sees both art and engineering coalesce harmoniously - a dual challenge that's embraced in equal measure by Satinal, particularly in STRATO® CARBON FREE, a true catalyst



for industry innovation that also advances sustainability.

ISCC PLUS CERTIFICATION

To further express its commitment to environmental responsibility, Satinal has obtained the esteemed ISCC Plus certification. A trusted standard specifically devised for the Circular Economy, it serves as a voluntary addition for industries not governed by specific regulations yet

fervently desirous to certify their endeavours and achievements in greenhouse gas reduction. ISCC Plus fulfils the objectives of Carbon Free initiatives by verifying company adherence to environmental standards while offering meticulous traceability throughout their supply chains.

STANDING OUT FROM THE CROWD

One conspicuous point of distinction is the 100 per-

cent use of renewable energy sourced from the crystal-line waters that flow down from the peaks of the Trentino Mountains. As Satinal's headquarters are strategically situated near Como, Italy, the company is proud of its homemade approach to production. Another noteworthy aspect pertains to waste management. The unique production technology employed by Satinal in manufacturing STRATO® EVA ensures a waste-free process that results from

years of both experience and methodological development.

The supply chain, too, is a critical aspect evaluated by the company's ISCC Plus certification, employing the Mass Balance Approach to gauge Carbon Footprint (CFP) levels. Given the blending of chemically-recycled or bio-based feedstocks in the manufacturing complex, it is often impractical and economically unfeasible to physically segregate recycled content.

Mixing of sustainable, unsustainable, or fossil material in the production process but separated in bookkeeping



STRATO® recently underwent a comprehensive analysis aimed at assessing the environmental profile of its product range, specifically regarding STRATO® EVA CO2 impact, by considering the life cycle of all materials and secondary products involved. This assessment was conducted in accordance with internationally-recognized reference stand-

ards for life cycle analysis, namely ISO 14040:2006 and ISO 14044:2006 respectively. The resultant findings unequivocally confirmed that the STRATO® EVA Carbon Free range is a pre-eminent European carbon-neutral product range. STRATO® earned the prestigious ISCC PLUS certification with an extraordinary score of 1.13 [kg CO2

eq], signifying a remarkable achievement as compared with its best potential competitor, which arrives at 4.5 [kg CO2 eq].

At 1.13, the environmental profile of STRATO® serves as a benchmark for devising a roadmap towards realising zero-carbon aims by 2050. Here the current objective is to provide customers with a sustainable op-

tion - ensuring responsible consumption while taking the global impact of climate change into account.

STRATO® EVA FILM PRODUCTION

Satinal SpA is distinguished for being the first EVA film production site in Italy, representing a prominent European hub for the supply of 100 percent

STRATO® EVA Carbon Free product range

STRATO® COLOUR

Transparent and solid colours designed to reflect global trends.



STRATO® AZZURRO
MEDITERRANEO



STRATO® VERDE
TOSCANA



STRATO® BRONZO
SICILIA



STRATO® GRIGIO
DOLOMITI



STRATO® NERO



STRATO® BIANCO

STRATO® FROST

Different frosted finishings to perfectly blend into any architectural or interior design project.



STRATO® LATTE



STRATO® SATINATO



STRATO® LEGGERO



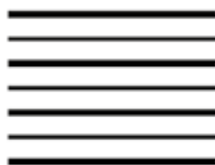
made in Italy STRATO® EVA interlayers. These interlayers serve as the ideal companions for premium applications, facilitating innovative aesthetic design solutions and the creation of contemporary and sophisticated laminated glass. Notable attributes include uniform coloration, UV protection, and exceptional colour stability over time.

Within Satinal's state-of-the-art Research and Development Laboratory, stringent quality controls are an everyday practice. As such, the Company mission remains that of consistently offering top-tier quality and eco-friendly products - all embraced by the group's core values. This firm commitment stems from a desire to cater to a discerning clientele that's increasingly attuned to sustainability issues while exhibiting a strong inclination towards practices of low environmental impact.

STRATO® EVA Carbon Free product range

STRATO® BIRD FRIENDLY

Benefits of a laminated safety glass with a design that protects birdlife. Different patterns available.

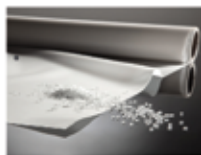


STRATO® CLEAR

The highest degree of transparency for the architectural glass market.



STRATO® EXTRA CHIARO



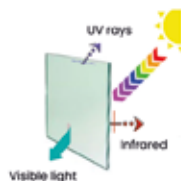
STRATO® PLUS



STRATO® NATURAL UV

STRATO® SOLAR CONTROL

An innovative high-performance EVA film. It eliminates UV and NIR energy allowing the highest visible light transmission.



STRATO® FRESCO



STRATO® EVA PROPERTIES

- Excellent thermomechanical properties - durability and stability beyond any thermoplastic interlayer (e.g. PVB)
- Resistance to moisture for external or internal application
- Excellent adhesion to glass and inserts - no reduction of adhesion between the glass panes and the interlayer
- Premium acoustic insulation properties - improvement of sound reduction property of the laminated glass
- Resistance to high temperatures, high humidity and UV damaging rays
- Optical properties and a low light reflection effect
- Solar control properties for energy saving solutions

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