

STRATO[®] has **SATINAL** helping to stem global warming



Prioritising sustainability in performance, STRATO® features EVA films, which have the triple effect of reducing CO2 impact, lowering energy costs and cutting emissions. Pioneered in Italy, the company's EVA interlayers manufacturer aligns with its commitment to environmentally smart products of prime quality - all to advance ecofriendly manufacturing.

It is well known that climate change refers both to long-term natural and man's hand shifts in temperatures and weather patterns. Human activities have been the main drivers of climate change and greenhouse gas emissions. As human beings are the main culprits of global warming, they should take to heart the global issue and implement resolute actions. According to the European Commission, "...as every tonne of CO2 emitted contributes to global warming, all emissions reductions contribute to slowing it down. In order to stop global warming completely, CO2 emissions have to reach net zero worldwide. In addition, reducing emissions of other greenhouse gases, such as methane, can also have a powerful effect on slowing global warming – especially in the short term".

ECHOING THE CALL TO ACTION

The looming climate emergency has been ur-

gently demanding a strong response. Many companies have been adopting a positive impact and a responsible approach within their supply chain, taking decisive steps towards a brighter, greener future, leading to an ecological renewal of market dynamics.

In this scenario STRATO® has, de facto, adopted a sensitive approach and has been investing in transformative next-generation technologies to achieve net-zero. STRATO® was recently the object of in-depth analysis aiming to assess the environmental profile of its product range, in terms of CO2 impact, considering the life cycle of the materials and secondary products involved.

STRATO® has obtained the ISCC PLUS certification with a score of 1,13 [kg CO2 eq], thanks to its STRATO® Carbon free product range. With 1.13, the environmental profile of STRATO® is a reference score for developing a road map toward zero-carbon aspirations in 2050. The challenge is to create a

sustainable option for customers who would buy responsibly with a look at the global warming impact.

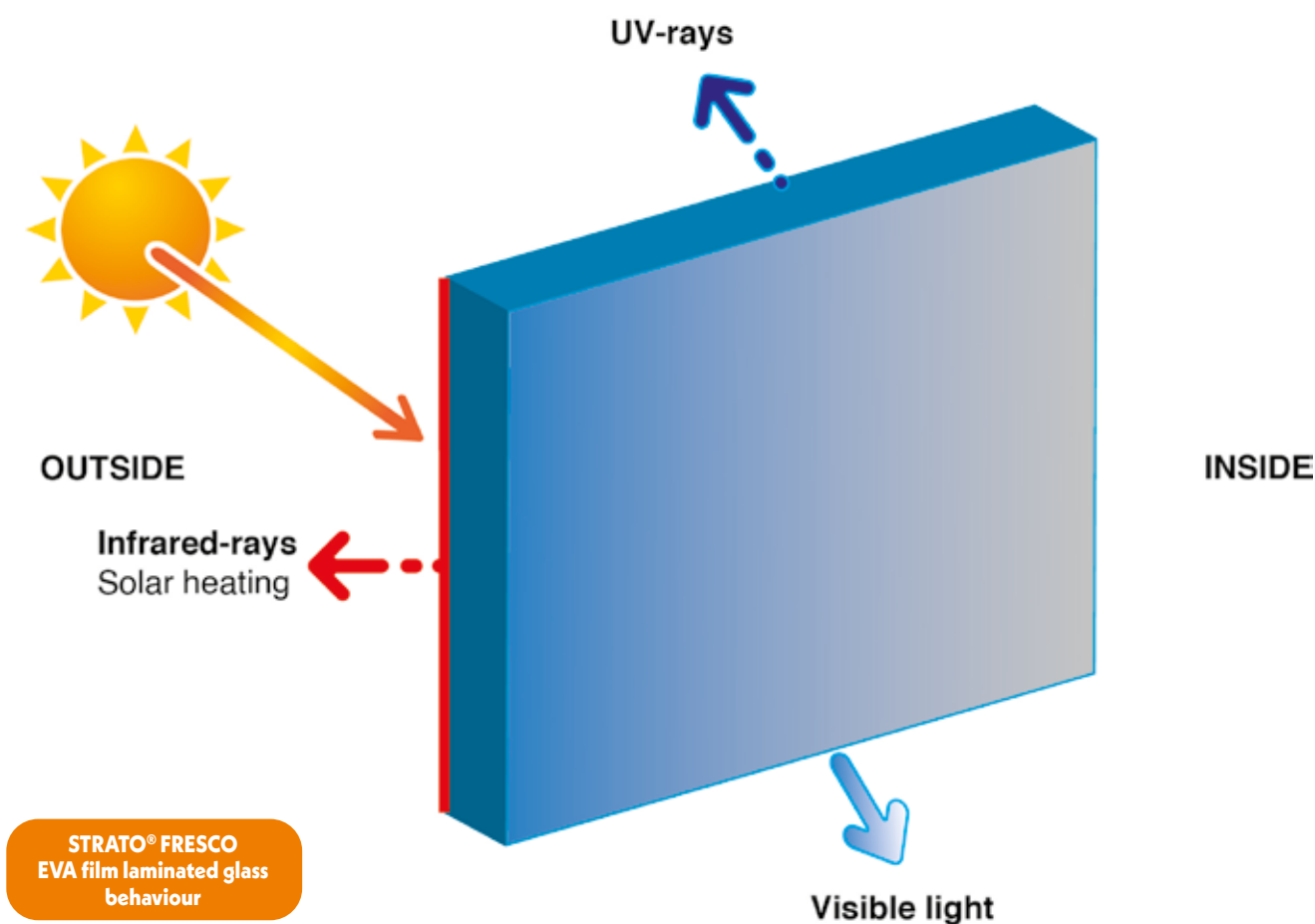
SUSTAINABILITY: FACTORING IN PERFORMANCE

Above all, STRATO® has designed a wide range of products that mainly run on a double track:

Performance: control of the UV-rays and NIR energy from the outside to the inside of buildings

Sustainable: contribution in reducing the impact of CO2 emissions

Concerning the first point, STRATO® EVA is a thermosetting material that creates three-dimensional bonds at molecular level during the lamination process. This notable feature makes STRATO® EVA film not sensitive to humidity, water and (in particular) to unforeseen weather conditions - a direct consequence of the climate change so far. STRATO® FRESCO is an innovative, high-performance EVA film belonging to STRATO® SOLAR CONTROL product range. It reduces UV and NIR energy - allowing the highest visible light transmission. A new generation of high-performance EVA film that uses nanoparticle technology, it has been formulated to give efficient solar control properties to laminated safety glass. STRATO® FRESCO can replace low-emission glass because it reduces the heat transmission.



DURABILITY

The second point is related to STRATO® FRESCO being specifically formulated to provide exceptional durability when exposed to weather conditions and great sound insulation. It significantly reduces energy costs and CO2 impacts by controlling solar heat energy.

In simple terms, if we analyse the behaviour of a laminated glass with one or more STRATO® FRESCO EVA sheets we will notice that the value of the transmission of the visible light is opposite to that of the infrared rays. A great performance of STRATO®

FRESCO EVA films that let a comfortable indoor environment. By reducing the use of air conditioning, customers will get economic benefits – like reduction of electricity costs – and also environmental reduction of Greenhouse Gas Emissions.

STRATO® has been paving the way to a new generation of green products that aims at an innovative path toward the limitation of GHG emissions – a tool to achieve the 2050 net zero goals and, hopefully, a motivation to others to implement similar solutions in their manufacturing strategies.

PIONEERING FILM PRODUCTION

Satinal SpA was the first EVA film production site in Italy – a reference point Europe-wide for the supply of 100 percent made in Italy EVA interlayers.

STRATO® is an optimum partner for high quality applications, to offer new aesthetic design solutions and create modern and elegant laminated glasses – guaranteeing colour uniformity, UV protection and excellent colour stability over time.

Quality controls are commonplace in Satinal's R&D Lab. The company's mission is to constantly offer a prime

quality and green product in line with a sensitive vision of the Group – all while responding to a demanding clientele and being increasingly attentive to both sustainability issues and low environmental impact behaviour.

Satinal Spa
TK - Strato

SATINAL


Via del Lavoro, 1
22036 Erba (CO) - ITALY
Tel.: +39-031-870573
E-mail: info@satinal.it
www.satinal.it



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