

STRATO® RIGIDO: SATINAL's structural component for multiple combinations

Ensuring top-tier impact protection for glass structures, STRATO® RIGIDO by SATINAL uses three-dimensional bonds by laminating with STRATO® EVA film. Here the combination of STRATO® EVA with STRATO® RIGIDO's stiffness allows for versatile lamination. Also, being moisture-resistant and customizable, it meets the most stringent safety guidelines.

film so mechanical, adhesive and optical properties can be achieved.

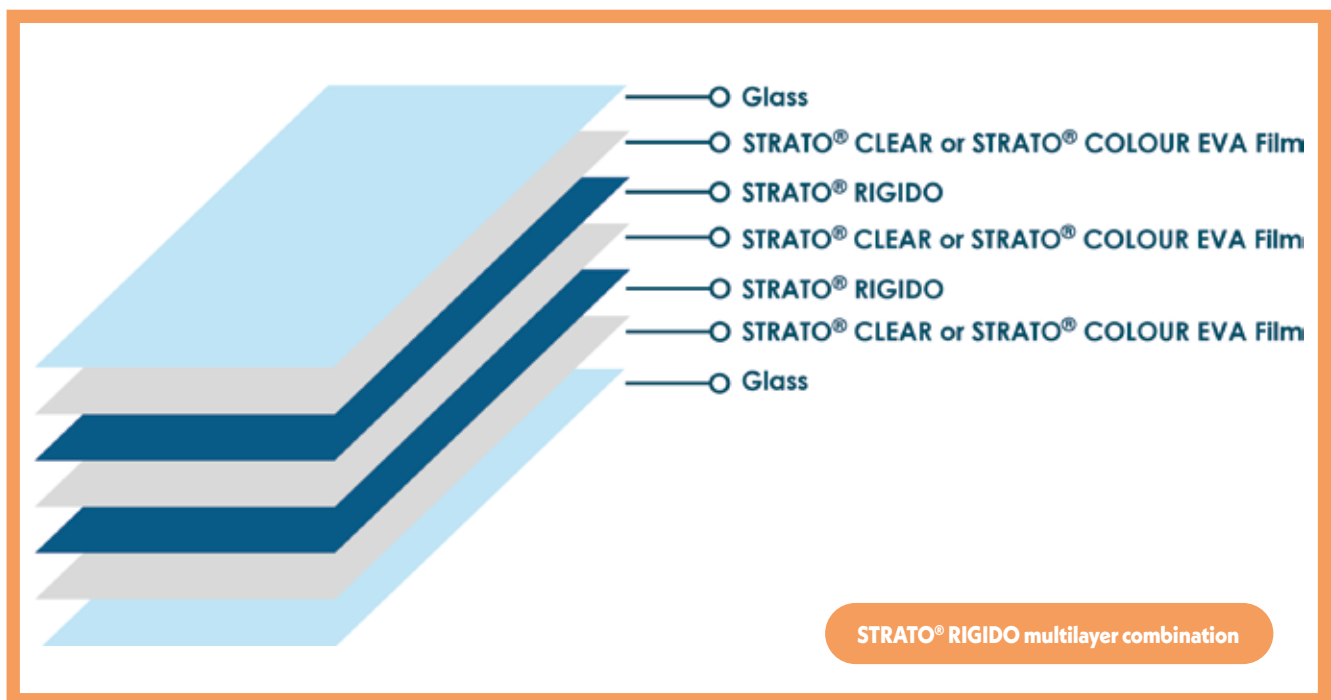
STRATO® EVA, which ensures the adhesion of STRATO® RIGIDO to glasses, is a thermosetting material. Differently from PVB film, it creates three-dimensional bonds at molecular level during the lamination process - making STRATO® EVA structurally safe in lamination terms.

The great mechanical properties of STRATO® EVA, combined with the stiffness of STRATO® RIGIDO, allow it to lami-

A special structural interlayer, STRATO® RIGIDO ensures one of the highest levels of protection against strong impacts. Indeed, even if the glass component breaks, the laminated structure is not weakened - such that the stability and safety of the product remain jointly preserved.

STRATO® RIGIDO must be laminated with two sheets of STRATO® EVA





nate any thickness of glass - thereby guaranteeing the same structural loading any time - and over time.

OPEN EDGE APPLICATIONS

STRATO® RIGIDO is not a hygroscopic material and therefore has no issues with moisture. Moreover, STRATO® EVA film is not sensitive to humidity, water, temperature fluctuations and more. Here's why the STRATO® product range is compatible with indoor as well as outdoor applications without the risk of delamination. So STRATO® EVA laminated glasses can be installed against the most extreme weathers.

TRANSPARENCY AND FROSTING EFFECT

For optimum transparency, it is recommended to laminate STRATO® RIGIDO with two sheets

of STRATO® CLEAR EVA film - otherwise known as the non plus ultra of EVA films for the architectural glass market. This provides a completely natural, transparent and neutral-looking glass thanks to its high degree of transparency and UV protection. Where privacy is a must, STRATO® RIGIDO can be combined with the STRATO® FROST EVA film product range, which consists of three different finishings (STRATO® LEGGERO, STRATO® SATINATO and STRATO® LATTE). This affords different levels of opaque effects and transparencies (from 2 to 65 percent of light transmission) according to STRATO® FROST EVA film finishing options. It also performs a double action, thus capturing and spreading the light homo-

geneously and without reflections.

INTEGRATING COLOURS

STRATO® RIGIDO can be assembled with STRATO® COLOUR EVA film - matching colour and safety all in one project.

STRATO® COLOUR EVA film collection offers both solid and transparent colours, allowing for the personalization of structural surfaces with modern and cutting-edge shades.

One can also combine STRATO® COLOUR EVA film with STRATO® RIGIDO and STRATO® FROST EVA film, all together in one laminated glass, for an optimum colour-frosted finish.

WHAT ARE MULTILAYER COMBINATIONS?

Safety and stiffness are mandatory when it comes to

project buildings, canopes, ceilings, floors, facades and more. It is clear that the combination of safety and styling is definitely possible with the STRATO® product range.

STRATO® RIGIDO must be assembled inside two sheets of STRATO® EVA film and two panes of glasses, but multiple combinations are still possible.

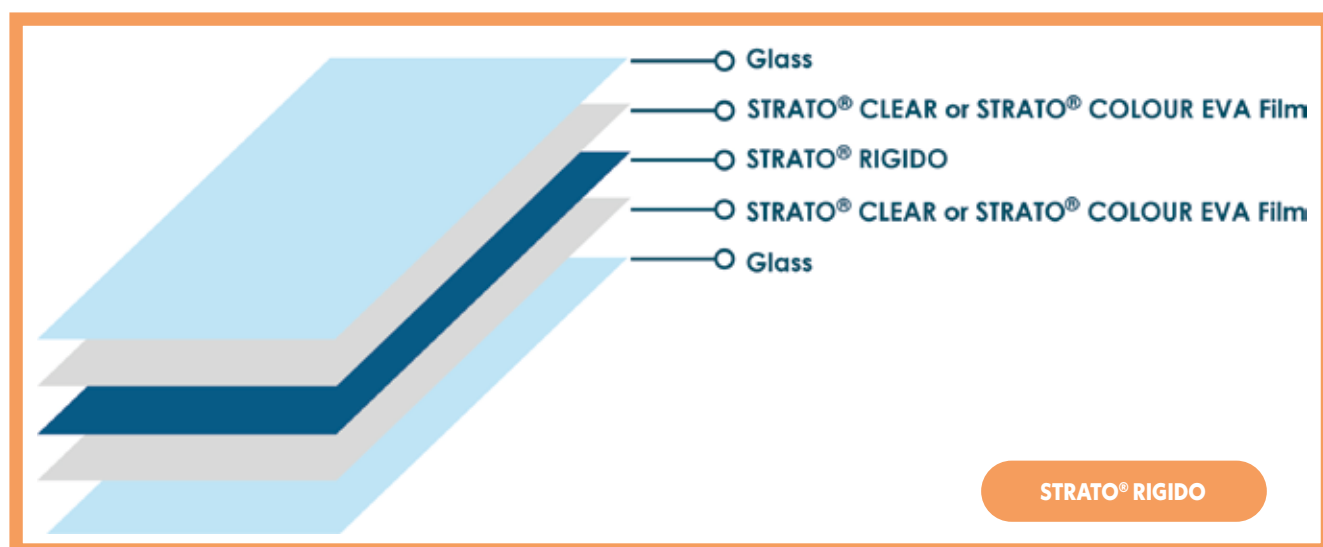
The infographic example will easily demonstrates how panes of glass can be combined with multiple sheets of STRATO® RIGIDO and STRATO® EVA films - thereby meeting the approval of architectural guidelines in terms of structural safety.

DIMENSIONS, THICKNESS AND LENGTH

Last but not least, dimensions are important. Here's why STRATO® RIGIDO



STRATO® RIGIDO



STRATO® RIGIDO

is available in different formats and widths. STRATO® RIGIDO is also available in different thicknesses and roll lengths.

ABOUT SATINAL

Satinal Spa was the first EVA film production site in Italy - a reference point Europewide for the supply of 100 percent made

in Italy interlayers. To this, STRATO® RIGIDO was added, which is available in different sizes and thicknesses - all to respond to multiple use purposes.

The application of STRATO® EVA film involves a process that requires great precision for both applied temperatures and cycle

times. Quality controls, which are carried out in Satinal's R&D Lab, aim to guarantee excellent adhesion of the material to the glass surface. Here in-depth experience acquired by Satinal in the treatment of EVA-based materials means that potential applications can be mastered and their characteristics fully exploited.

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