

TROSIFOL highlights at glasstec 2010

A self-luminous film, an improved acoustic product and photovoltaic applications for BIPV

LUMINEO

TROSIFOL is launching another new, revolutionary product on the market. A self-luminous PVB film by the name of LUMINEO, the new film achieves its effect with a special formulation (European patent pending). Developed to European standards for safety glass, it can be combined with other TROSIFOL films to modify the optical and acoustic properties. LUMINEO reduces the need to install additional light sources in public areas for emergency situations, e.g. power failures. LUMINEO meets the criteria of the German Lists of Construction Products "Deutsche Bauregellisten" of the DIBt (German Institute of Construction Technology). At the fair stand in Düsseldorf, it will be the main attraction and, in a small LUMINEO environment, visitors will have the opportunity to gain first-hand experience of the product.

Improved sound insulation with TROSIFOL SOUND CONTROL (SC+)

After years of success with its SOUND CONTROL (SC) film, TROSIFOL is also presenting an improved product at this year's glasstec. This is a multi-layer film that surpasses the accustomed

high standards of safety and outstanding sound protection properties of the existing TROSIFOL SC film. The new film has been specially developed for the production of jumbo-size high-performance laminated safety glass with a width of 3.21 m. It is precisely here that the new SC+ film is employed to best effect by measurably improving efficiency in production.

In addition, depending on the structure of the associated ISO glazing, sound insulation values of up to 50 dB can be achieved. It goes without saying that the new film can be combined with other PVB films from the TROSIFOL range.

BIPV with TROSIFOL SOLAR

TROSIFOL is staying busy in the fast-growing photovoltaic market and, more specifically, in the BIPV sector. Building-Integrated Photovoltaics covers the whole spectrum of solar power generation on façades. Encapsulation materials made of transparent plastics make an important contribution to the longevity of photovoltaic modules and to the long-term production of electricity from sunlight. These BIPV systems are becoming increasingly attractive and cost-effective each year and sensibly combine efficient surface use and aesthetics.

The world's first manufacturer to develop a special PVB film for use in solar modules was Kuraray Europe GmbH under the TROSIFOL brand name. Since the Eighties, solar modules with TROSIFOL PVB films have been undergoing successful outdoor weathering tests on module test stands, inter alia at the Berlin Photovoltaics Institute and the Fraunhofer ISE Institute in Freiburg. Designed for all conventional photovoltaic module production processes, a second and technically improved generation of films was presented by Kuraray at the PV Conference 2009 in Hamburg at the end of last year. This new film generation extends the current product range into special fields of

application and is now being presented in Düsseldorf to the glass industry.

25th August 2010

We look forward to your visit during glasstec 2010 in Düsseldorf: Hall 10, Stand E36.

Please also visit TROSIFOL at the special “glass technology live” show in Hall 11, Stand 11B26.

This text comprises 3,085 characters. You can also download the text and the associated images from the Internet at:
www.trosifol.com

You can download matching LUMINEO images at this address (captions/photographer are stored in the IPTC data, all images from Kuraray Europe GmbH, Division TROSIFOL):

<http://gallery.me.com/rainer.hardtke - 100689>

The images present daytime views of the product and the matching night-time views with the LUMINEO effect.

You can download images of TROSIFOL architectural applications at:

<http://gallery.me.com/rainer.hardtke - 100548>

And images of TROSIFOL SOLAR can be found here:

<http://gallery.me.com/rainer.hardtke - 100540>

Press contact:

Jörg Theesfeld, Head of Business Development & Marketing
Kuraray Europe GmbH, Division TROSIFOL,
Mülheimer Strasse 26, 53840 Troisdorf, Germany

Phone +49 (0) 22 41 / 2555 202

Fax +49 (0) 22 41 / 2555 299

E-mail: trosifol@kuraray.eu