PRESS RELEASE

TROSIFOL for Architecture – the Special Range

A standard product range can never, by itself, satisfy out-of-the ordinary demands. Quite often, and not just in architecture, an individual material or special design solution will prove its outstanding properties in a standard building context only after it has shown "promise" in a special-purpose environment.
The TROSIFOL Division of Kuraray Specialties Europe GmbH (KSE) provides dependable and durable product solutions for both standard and special building needs. Aside from the new BG range of standard films for architectural glazing, our offering of special products comprises the SOUND CONTROL, COLOUR and SOLAR lines as well as the newly introduced TROSIFOL XT 90 for hurricane glazing.

“XT 90” Hurricane glazing film is a special material developed to address the particular requirements prevailing in the world's hurricane-exposed regions. After intense cooperation with a number of North American test laboratories we have been able to define a film type meeting the universally recognized „Miami-Dade Product Approval Notice of Acceptance“, as documented by NOA No. 06-0109.06 of April 27, 2006. The outstanding ruggedness of our "XT 90" film is already reflected in its name - „eXTreme – the film that weathers every storm." One particular feature of TROSIFOL XT-90 is that it consists of a single 2.28 mm gauge PVB-film delivering unique efficiency and quality benefits in the manufacture of special laminated safety glass designed for this application. Solutions based on laminated safety glazing meet with particularly keen interest among U.S. and global insurance companies. This is with good reason - after all, traditional single-pane or double-glazing tends to get blown in by the storm, allowing the latter to penetrate into the building where it will find its way upwards and blow off the roof as it

escapes. In the process, the force of the airflow may cause devastating damage by ravaging the building's interior; in the worst case, the structure may collapse altogether. On the other hand, if the glazing resists the hurricane,
the squalls cannot infiltrate the building. Although the house will suffer damage externally, its interior will remain intact. Human lives are saved, and losses are cut.

The sound-absorbing SOUND CONTROL film may not save lives but keeps health-hazardous noise reliably away from human ears. The laminated safety glass made with this film dampens noise externally and creates a comfortable acoustic environment inside the room. As a result, this product is not just a solution for airport terminals, train stations or office complexes – it also provides welcome peace and quiet in the home.

TROSIFOL COLOUR brings colour to architecture and opens the way to new creative solutions. Available in 13 standard colours, this range provides unsurpassed application versatility including an almost unlimited variety of colour shades. Owing to their outstanding colour stability these products can be used both outside and inside the building. TROSIFOL COLOUR is supplied with a PE interleaf film, which eliminates the need for refrigeration. The black and white near-opaque PVB films marketed by the Troisdorf-based TROSIFOL company have evolved into genuine top sellers. Premiered last year in their current specification, these two films have since shown the steepest sales growth of all products in the TROSIFOL COLOUR range, with "Brilliant Blue", "Red" and "Orange" following closely behind on the colour leader board.

Requirements on photovoltaic (PV) module technology have become significantly more exacting in recent years, and the importance of high-grade encapsulation materials for solar cells in PV modules has grown consistently. TROSIFOL has responded to this trend, as the first PVB film manufacturer, by launching a new custom-developed product for just this application. TROSIFOL SOLAR encapsulating film enables makers of photovoltaic (PV) modules, for the first time ever, to market double-glazed module elements for building front or

roof integration, as well as fall-safe glazing with outstanding safety properties.
PV modules manufactured with TROSIFOL SOLAR are noted for their superior translucence, high and durable strength, and excellent resistance to heat, UV light and moisture. They are also extremely weather-resistant, even under unusual climatic conditions.

As an encapsulation material for solar cells, TROSIFOL SOLAR is a thermoplastic product which does not undergo cross-linking under the influence of heat and will therefore exhibit reproducible laminating behaviour. It can be used both in standard commercial vacuum laminators (single-stage process) or in the proven two-stage process involving vacuum pre-lamination with subsequent lamination in a pressurized autoclave.

TROSIFOL SOLAR is available in a range of standard versions. The choice of the ideal PVC film product depends on the lamination process method and on the type of solar cells employed in the PV module. TROSIFOL SOLAR is marketed in roll widths up to 2,250 mm with PE interleaving.

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The above text comprises 5,084 characters in 90 lines. It is also available for download on the Internet at www.trosifol.com

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