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TROSIFOL LUMINEO

TROSIFOL[®] LUMINEO

SELF-LUMINOUS PVB FILM
FOR ARCHITECTURAL GLAZING

PRODUCT INFORMATION

TROSIFOL[®]



TROSIFOL® LUMINEO – SELF-LUMINOUS PVB FILM FOR ARCHITECTURAL GLAZING

PRODUCT FEATURES:

Developed to European standards for safety glass

Combinable with other TROSIFOL® films to modify optical and acoustic properties

Diminishes the need for extra light sources in public areas for emergency situations, e.g. power failures

TECHNICAL DATA FOR LUMINEO YELLOW-GREEN

Properties	Unit	Test method	TROSIFOL® LUMINEO
Thickness	mm	-	0.76
Surface roughness ²	µm	-	40
Density	g/cm ³		1.13
Glass adhesion (pummel test)			> 6
Glass adhesion (CSS)	N/mm ²	CSS	> 17
Light transmittance ¹	%	EN 410	≤ 60
UV transmittance ¹	%	EN 410	< 0.2
Elongation at break	%	ISO 527	> 250
Tensile strength	N/mm ²	ISO 527	> 23
Luminance after 2 min	mcd/m ²	DIN 67510-1	> 140
Fade-out time	min.	DIN 67510-1	> 600 min.

All details are typical mean values. When used as a safety marking, it is always important to check the light conditions locally.

¹ Light transmittance (TL) for LSG 2 x 2 mm
² Values measured to EN ISO 4287

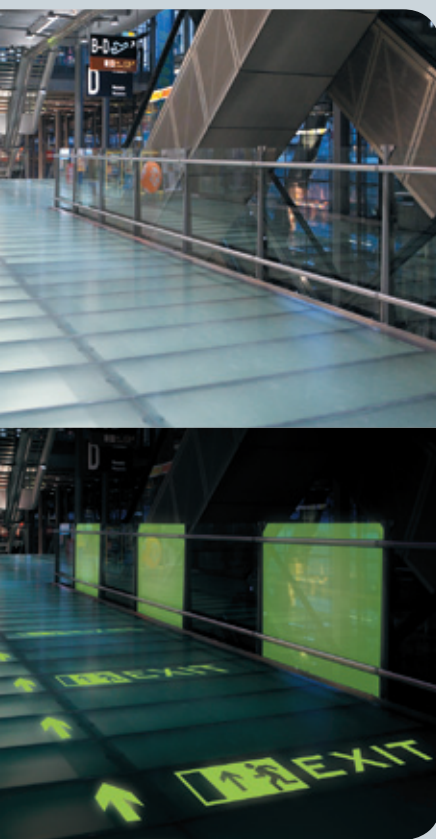
TROSIFOL®, a leading manufacturer of PVB film for laminated safety glass in architecture, automotive engineering and the photovoltaic industry, is launching LUMINEO, a new, revolutionary self-luminous PVB film. The new film product achieves its luminous effect with the aid of a special formulation (European patent pending).

LUMINEO is inspirational and a source of new ideas. At the same time LUMINEO satisfies the criteria of the German Lists of Construction Products of the DIBt (German Institute of Construction Technology). Safety certificates to EN 356 and EN 12600 can be supplied on request. A test report on the after-glow properties of LUMINEO is also available (BAM, DIN 67510-4, subclassification A, Ref. VIII 1E 2077 of March 2009 for "Safety routing systems with a long after-glow" such as for emergency exits and escape routes).

Of course LUMINEO can also be combined with other TROSIFOL® products, thus opening up new creative opportunities in the design of laminated safety glass. The combination of safety and design with light transmittance values of up to 60 per cent makes LUMINEO ideal for use in interior architecture or public buildings

where design and safety are requirements of equal importance.

LUMINEO can be employed on façades, roofs, balustrades and balconies and in any glass applications at all, indoors and outdoors. TROSIFOL® LUMINEO is available in standard widths of 1,000, 1,600 and 2,250 mm, each in a thickness of 0.76 mm. The roll lengths are 20 m and 200 m and are supplied with a PE interleaved film.



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