

# SIC 2B2 EXT

## GLASS DOES NOT MEAN DANGER THANKS TO SERISOLAR EN12600 CLASS 2B2 SAFETY FILMS

Glass, with its transparency and beauty, characterizes modern cities with their large public buildings, banks, shops, supermarkets, office complexes and schools, but it is also a very fragile element that can be of constant danger to the safety of people and the integrity of things. Fires, violent impacts, vandalism or accidental breakages can cause serious damage or injury. SERISOLAR safety films allow you to modify normal glass into "safety glass" of different types:

- LAMINATED SAFETY GLASS;
- SAFETY GLASS AGAINST MANUAL ATTACK;
- BULLETPROOF GLASS IN BULLETPROOF GLASS WITHOUT RISK OF SPLINTS;
- SAFETY GLASS RESISTANT TO THE PRESSURE CAUSED FROM THE BLAST;

Each film can be applied to existing glass with a simple, fast, safe and economical installation, without having to modify the fixtures or interrupt normal work activity.

Thanks to extensive research, SERISOLAR safety films allow the "safety" of any mandatory glass surface in workplaces as prescribed by the Testo Unico D.lgs. 81/2008 in force from 15 May 2008. The application of SERISOLAR safety films, carried out by specialized installers also allows you to obtain certification according to the various European regulations and the related declaration of conformity.

Performance:	
<b>Total Solar Energy:</b>	
Transmitted	81%
Reflected	8%
Absorbed	11%
<b>Visible Light:</b>	
Transmitted	90%
Reflected	9%
U valued W/mK	1,10
Emissivity	0,95
UV Rays Transmitted (max)	1%
Shading Coefficient	0,98
G Factor (Total Solar Transmittance)	0,84
Total Solar Energy Rejected	16%
<b>Physical properties:</b>	
Film Thickness	4 Mil 100 Micron
Structure	single layer
Tensile Stenght	1757 Kg per cm <sup>2</sup>
Resistance to Breakage	45,35 Kg per cm <sup>2</sup>
Type of Adhesive	pressure sensitive acrylic
Peeling Force	from 2.200 Kg to 2.700 Kg cm <sup>2</sup>

Certified Performance:*	Impact UNI EN 12600	Characteristics Flammability ASTM E-84	Flash PointASTM ASTM D1929-96	Accelerated Aging ASTM G26-95
* Test reports carried out by accredited independent laboratories are available upon request	Flame Propagation ASTM D-635	Resistance to dulling ANSI Z26.1 & FMVSS 205	Puncture Resistance ASTM D 4830-88	Resistance to Tear ASTM D 2582

Caratteristiche	Vantaggi	Benefici
Break and penetration resistant polyester	<ul style="list-style-type: none"> <li>• Secure adhesion to glass</li> <li>• More impenetrable glass</li> <li>• Higher resistance than standard safety films</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces the dangers associated with the dispersion of splinters.</li> <li>• Helps prevent damage to people and things.</li> </ul>
Adhesive with high strength and transparency	<ul style="list-style-type: none"> <li>• Retains glass splinters in the event of breakage.</li> <li>• Long adhesion duration</li> <li>• Perfectly transparent, no optical distortions</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces the dangers associated with the dispersion of splinters.</li> <li>• Long-lasting transparency and protection.</li> </ul>
Abrasion resistant acrylic coating	<ul style="list-style-type: none"> <li>• Scratch resistant</li> </ul>	<ul style="list-style-type: none"> <li>• It remains unchanged over time.</li> </ul>
UV absorption	<ul style="list-style-type: none"> <li>• Shields 99% of UV rays</li> <li>• Film protected against UV degradation</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces interior fading</li> <li>• Long-lasting protection and transparency.</li> </ul>
10 year guarantee	<ul style="list-style-type: none"> <li>• Product warranty</li> <li>• Guarantee for breakage caused by temperature changes</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's warranty.</li> </ul>