

Safety film to prevent injuries by flying fragments of glass. Security film for the protection of glazing combined with the maximum heat reduction. Maximum heat radiation reduction combined with lowest loss of light for cool and light rooms. Excellent optical clarity. Energy saving by reducing cooling costs.

Performance Results (EN 410)	4 mm Single	4/12/4 mm Double
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Visible Light

Transmittance (VLT) %	72	65
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Solar Energy

IR Reduktion [SIRR at 780 - 2500 nm] %	95	–
UV protection [300 - 380 nm] %	>99	>99
UV Tdw-ISO [300 - 700 nm] %	48	44
Fade reduction %	44	41

Physical Properties

Thickness (incl. adhesive)	235 µm
Tensile strength ASTM D 882	2110 kg/cm ²
Elongation ASTM D 882	>100 %
Break strength ASTM D 882	22,0 kg/cm
Yield strength ASTM D 882	27,0 kg/cm
Tear strength (Graves) ASTM D 1004	7,5 kg
Puncture strength ASTM D 4830	80,0 kg
Peel strength ASTM D 903	>985 g/cm


SAFETY FILM
Material Construction Self Adhesive Film

- 3-layer multi-sputtered polyester film
- Scratch resistant hard coat on the surface.
- Siliconised liner on the adhesive.
- High quality pressure sensitive adhesive system (water activated) with integrated UV-absorber for best longevity.

Certificates*

Safety protection	EN 12600, Classification	1B1
Security protection	EN 356, Classification	P1A
Flammability	EN 45545-2 EN 13501-1	R1;HL1/HL2/HL3 B/s1/d0

* Please contact your BRUXSAFOL partner for additional details in regard to test reports and certificate validity.

BRUXSAFOL Warranty	15 years All edges must be sealed
Storage	Recommended at +15°C up to +25°C and rel. humidity 50%: approx. 3 years
Possible Widths	<input type="checkbox"/> 183 cm <input checked="" type="checkbox"/> 152 cm <input type="checkbox"/> 122 cm <input type="checkbox"/> 91 cm

Film-to-Glass Guide

Single pane clear or tinted	●
Double pane clear or tinted	●
Double pane Low-e on #2	●
Double pane Low-e on #3	●
Triple pane Low-e	■

- Low risk
- ▲ Caution! Submit Film-to-Glass application for risk assessment
- Tempered only

For further details please view:

www.bruxsafol.de/download/ftg-guide.pdf

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Technical data calculated using „Window 7.2.“ according to EN 410 and EN 673.