

Safety film to prevent injuries by flying fragments of glass (in particular in kindergartens, schools and public places). Injury protection against vandalism and attacks (e. g. stone throw and Molotov cocktails). Protection against smash-and-grabs, bomb blast and splinter throw. Strongest safety film of our product line.

Performance Results (EN 410)	4 mm Single	4/12/4 mm Double
Visible Light		
Transmittance (VLT) %	87	79
Solar Energy		
IR rejection [780 - 2500 nm] %	31	43
UV protection [300 - 380 nm] %	>99	>99
UV Tdw-ISO [300 - 700 nm] %	62	56
Fade reduction %	27	24

Physical Properties

Thickness (incl. adhesive)	375 µm
Tensile strength ASTM D 882	2110 kg/cm ²
Elongation ASTM D 882	>100 %
Break strength ASTM D 882	77,0 kg/cm
Yield strength ASTM D 882	37,8 kg/cm
Tear strength (Graves) ASTM D 1004	10,5 kg
Puncture strength ASTM D 4830	105,0 kg
Peel strength ASTM D 903	>985 g/cm


SAFETY FILM
Material Construction Self Adhesive Film

- Clear 3-layer, factory-made cold laminated safety 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	P2A/P3A*
Flammability	EN 45545-2 EN 13501-1	R1;HL1/HL2/HL3 B/s1/d0
Bomb blast mitigation	EN 13541	ER1 (NS)*

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

BRUXSAFOL 10 years
Warranty

Storage Recommended at +15° C up to +25° C and rel. humidity 50%: approx. 3 years

Possible Widths 183 cm 152 cm 122 cm 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.