

Safety film to prevent injuries by flying fragments of glass (in particular in kindergartens, schools and public places). Security film for the protection of glazing combined with the maximum heat reduction. Combination of film type 4011 and 101.

Performance Results (EN 410)	4 mm Single	4/12/4 mm Double
Visible Light		
Transmittance (VLT) %	15	14
Solar Energy		
IR rejection [780 - 2500 nm] %	95	96
UV protection [300 - 380 nm] %	>99	>99
UV Tdw-ISO [300 - 700 nm] %	13	13
Fade reduction %	85	82
Physical Properties		
Thickness (incl. adhesive)	135 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	10,8 kg/cm	
Tear strength (Graves) ASTM D 1004	3,0 kg	
Puncture strength ASTM D 4830	30,0 kg	
Peel strength ASTM D 903	>985 g/cm	


SAFETY FILM

Material Construction Self Adhesive Film

- Metallized 2-layer polyester film, sputtered with aluminium.
- 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*

The construction of the base material of the „410“ is identical to the film „4011 4MIL CLEAR“ with an additional metallisation. This film type has not been tested separately.

* 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.