

Safety film to prevent injuries by flying fragments of glass (in particular in kindergartens, schools and public places). Glazing protection in food processing facilities.

Also available for **outside** installation **AX PLUS 4011!**

| Performance Results (EN 410)       | 4 mm Single             | 4/12/4 mm Double |
|------------------------------------|-------------------------|------------------|
| <b>Visible Light</b>               |                         |                  |
| Transmittance (VLT) %              | 88                      | 80               |
| <b>Solar Energy</b>                |                         |                  |
| IR rejection [780 - 2500 nm] %     | 24                      | 37               |
| UV protection [300 - 380 nm] %     | >99                     | >99              |
| UV Tdw-ISO [300 - 700 nm] %        | 63                      | 57               |
| Fade reduction %                   | 26                      | 23               |
| <b>Physical Properties</b>         |                         |                  |
| Thickness (incl. adhesive)         | 125 µm                  |                  |
| Tensile strength ASTM D 882        | 2110 kg/cm <sup>2</sup> |                  |
| 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

- Clear 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\*

|                            |                          |                           |
|----------------------------|--------------------------|---------------------------|
| <b>Safety protection</b>   | EN 12600, Classification | 2B2                       |
| <b>Security protection</b> | EN 356                   | –                         |
| <b>Flammability</b>        | EN 45545-2<br>EN 13501-1 | R1;HL1/HL2/HL3<br>B/s1/d0 |

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

**BRUXSAFOL Warranty** 10 years

**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](http://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.