



## Technical data

|                                       |                   | Substance                                    |
|---------------------------------------|-------------------|--|
| Membrane, both sides                  |                   | Polyurethane                                 |
| Substructure fleece                   |                   | Polyester                                    |
| Attribute                             | Regulation        | Value  |
| Colour                                |                   | blue   |
| Length of independent adhesive strips |                   | 150 mm ; 5.9"                                |
| Thickness                             | EN 1849-2         | 0.8 ±0.05 mm ; 31 ±2 mils                    |
| Water vapor resistance factor $\mu$   | EN ISO 12572      | 225  |
| sd-value                              | EN ISO 12572      | 0.18 ±0.04 m                                 |
| g-value                               |                   | 0.9 ±0.2 MN-s/g                              |
| Vapor permeance                       | ASTM E 96         | 18.22 US perms                               |
| Reaction to fire                      | EN 13501          | E  |
| Exposure time                         |                   | 3 months                                     |
| Water column                          | EN 20811          | > 4 000 mm                                   |
| Water resistance un-/aged*            | EN 1928           | W1 / W1                                      |
| Artificial ageing by long term        | EN 1297 / EN 1296 | passed                                       |
| Flexibility at low temperature        | EN 1109           | -20 °C ; -4 °F                               |
| Temperature resistance                |                   | permanent -40 °C to 80 °C ; -40 °F to 176 °F |

## Area of application

For reliable installation of joints at exterior corners within the SOLITEX WELDANO system. The permeable shaped element, which is supplied pre-welded, can be welded to the pro clima SOLITEX WELDANO roof lining membrane in a homogeneous manner in terms of materials using the system solvent welding agent or hot air. In this way, the shaped element can seal this vulnerable joint in a simple, permanently reliable manner.

## Advantages

- ✓ Homogeneously weldable in the SOLITEX WELDANO system with a welding liquid or with heat
- ✓ Excellent reliability for this vulnerable joint thanks to prefabrication
- ✓ Extremely high tear-resistance
- ✓ Non-slip and abrasion-resistant surface
- ✓ Can be easily adapted for smaller independent adhesive strip lengths, for example, using a knife or scissors

## Substrates

Suitable for installation on pressure-resistant subsurfaces, e.g. wooden decking, wood-based panels and wood fibre underlay panels. The subsurface must be dry, free of frost, clean and free of any sharp-edged or pointed objects.

## General conditions

The membrane edges are to be welded using the WELDANO TURGA system solvent welding agent or a hot air gun. The welding area must be dry and free of frost, dust and grease. If dirt (e.g. oil) is stuck to the surface, moisten a cloth lightly with WELDANO TURGA system solvent welding agent and use it to clean off this dirt. Both sides of the membrane can be welded and are suitable as upper layers.

Welding with a solvent welding agent can be carried out at temperatures above 0 °C (32 °F). Please observe the hazard notices on the container.

If a hot air gun is being used, we recommend a temperature of around 220 to 280 °C (430 to 530 °F) depending on the ambient temperature and wind conditions. Test this setting by carrying out a test weld on a sample piece of membrane. A 40 mm (1.6") nozzle width has been found to be suitable in practice for welded joints between surface membranes. A 20 mm (.8") nozzle may be more suitable in certain cases for more intricate joints.

As an alternative to the use of the WELDANO ROFLEX, WELDANO INVEX or WELDANO INCAV system shaped elements, these elements can also be made by cutting appropriate shapes out of SOLITEX WELDANO membranes.

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

**MOLL**  
**bauökologische Produkte GmbH**  
 Rheinalstraße 35 - 43  
 D-68723 Schwetzingen  
 Fon: +49 (0) 62 02 - 27 82.0  
 eMail: info@proclima.de



**CE**  
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DIN EN 13859-1

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eMail: [info@proclima.de](mailto:info@proclima.de)

