



Technical data

		Substance
Membrane, both sides		Polyurethane
Substructure fleece		Polyester
Property	Regulation	Value
Colour		blue
Length of base strip(s)		150 mm ; 5.9"
Thickness	EN 1849-2	0.8 mm ; 31 mils
Water vapor resistance factor μ	EN ISO 12572	225
sd value	EN ISO 12572	0.18 m
g value		0.9 MN-s/g
Vapour permeance	ASTM E 96	18.22 US perms
Fire rating	EN 13501	E
Outdoor exposure		3 months
Water column	EN ISO 811	> 4 000 mm
Water tightness non-aged/aged*	EN 1928	W1 / W1
Durability after artificial ageing	EN 1297 / EN 1296	passed
Flexibility at low temperature	EN 1109	-20 °C ; -4 °F
Temperature resistance		permanent -40 °C to 100 °C ; -40 °F to 212 °F

Application

For reliable installation of joints at interior corners within the SOLITEX WELDANO roof lining system. The permeable shaped element, which is supplied pre-welded, can be welded to the SOLITEX WELDANO 3000 roof lining membrane in a homogeneous manner in terms of materials using the system solvent welding agent or hot air.

Advantages

- ✓ Simple implementation of vulnerable joints thanks to prefabrication
- ✓ Reliable sealing of corners: Homogeneously heat-weldable with a solvent welding agent or hot air
- ✓ Extremely high tear-resistance and very stable
- ✓ Can be easily adapted for shorter base lengths, for example, using a knife or scissors
- ✓ High degree of occupational safety: non-slip and abrasion-resistant surface

Substrates

Suitable for installation on pressure-resistant substrates, 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 3000 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.

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