



NEXLER Optimax PV

Bitumen membrane under discontinuous roofing

TECHNICAL DATA

Reinforcement:	non-woven polyester
Top finishing:	fine grained
Kind of asphalt, flexibility:	SBS - modified
Visible defects:	lack of visible defects
Length:	≥ 20,0 m
Width:	≥ 1,0 m
Straightforwardness:	≤ 30 mm per 10 m of roll length
Quantity on pallet:	24 rolls (480 m ²)
Weight:	1100 g/m ² ± 10%
Reaction to fire:	class E
Resistance to water penetration:	class W1
Tensile properties during stretching:	
- longitudinal: elongation:	450 ± 150 N/50 mm (40 ± 15) %
- transversal: elongation:	350 ± 150 N/50 mm (40 ± 15) %
Resistance to tearing:	
- longitudinal:	300 ± 75 N
- transversal:	300 ± 75 N
Flexibility at low temperature:	≤ -25°C
Durability:	
• resistance to water permeation:	class W1
• tensile strength:	
- longitudinal: elongation:	450 ± 150 N/50 mm (40 ± 15) %
- transversal: elongation:	350 ± 150 N/50 mm (40 ± 15) %
Dimensional stability:	≤ 0,8 %
Dangerous substances:	Look at MSDS. It does not contain asbestos or components of coal tar.
Compliance with the standard:	EN 13859-1:2010

PROPERTIES

- Strong and flexible reinforcement
- Flexibly asphalt mass modified with SBS
- High durability with low thickness
- One layer insulation warranty for 3 years



FOR PITCHED ROOFS



DOUBLE SBS MODIFICATION



WARRANTY AS A TOP LAYER



MECHANICAL FASTENING

INTENDED USE

Base membrane:

- Under Bitumen shingles, ceramic and steel tiles
- On Wooden substrate, OSB panels
- On roofs with slope min. 22%

PACKAGE

- Rolls in length 20m (20m²)
- Quantity on pallet: 24 rolls (480m²)

CONDITIONS OF APPLICATION

Waterproofing with the **NEXLER Optimax PV** should be made in accordance with the basic design, in compliance with the applicable construction regulations and the technical specifications of the product.

The membrane may be used at minus temperatures (to -5°C), during the weather without precipitation. During adhesion of transverse overlaps, the glue should have the appropriate temperature and consistency.

METHOD OF APPLICATION

The bitumen underlayer membrane **NEXLER Optimax PV** should be fixed mechanically using roofing staples or shingles nails with washers or without on wood substrate. Longitudinal and transverse overlaps of membrane should be glued in the time of mounting on the roof, and mounting nails visible on the membrane should be sealed. For bonding overlaps and sealing nails with washers or without, it is recommended to use asphalt glues applied in cold state eg. IZOHAN Klej Dekarski (roofing adhesive), IZOHAN WK, IZOHAN Roofix szpachla dekarska (lute) or hot applied bitumen binder. Before fastening counter-laths on the roof, surface of the membrane below them should be sealed with the same bitumen products. On roofs with slope less than 50% membrane strands should be fixed parallel to the hood and on roofs with slope larger than 50% it is recommended to fix membrane perpendicularly to the hood. Moisture content of the wooden board substrate should not exceed 21%.

If the roofing is applied in adverse weather conditions, additional protective measures must be used.

WARRANTY

The manufacturer IZOHAN Sp. z o.o. provides the direct buyer of the **NEXLER Optimax PV** membrane with a 3-years material warranty for the membrane directly exposed to sunlight.

The membrane **NEXLER Optimax PV** is guaranteed material for a period of 20 years from the moment of finishing coverage the roof with ceramic tiles or concrete tile or shingles bitumen, provided that cover this place not later than two years after the installation of the membrane **NEXLER Optimax PV**.

The details of the warranty are set out in the warranty card.

STORAGE AND TRANSPORT

The rolls of **NEXLER Optimax PV** are protected against the unroll by adhesive tapes. Each roll carries factory-applied labels containing the required information. The rolls are placed vertically on industrial wooden pallets and protected with a plastic wrap.

During transportation and storage, the rolls must be protected from moisture and exposure to sunlight, and be placed upright in one layer in a way preventing any dislocation or damage. The membrane rolls must be stored on a flat at a distance of at least and 120 cm from radiators.

Transportation must be carried out in compliance with applicable shipment safety regulations.

GENERAL RECOMMENDATIONS

Please refer to the detailed conditions of use of the product before use. We guarantee the quality of our materials as part of our terms of sale and delivery. For buildings with special requirements that are not covered by this manual, we provide our Customers with our own professional advisory service. The manufacturer has no influence on the improper use of the material, its use for other purposes or under conditions other than those described above. The guarantee only covers the quality of the delivered product. The correct and therefore effective use of the product is not subject to our control.

Neither the manufacturer nor his authorized representative may be held liable for any loss incurred as a result of improper use or storage of the product.

Employees of the company are authorized to provide technical information only and solely in accordance with this technical data sheet. Information other than that contained in this sheet should be confirmed in writing.

If you have any doubts, consult the manufacturer.

Once we have issued a new technical data sheet, this manual is no longer valid.

Note: The form and content of the technical information is the exclusive property of IZOHAN and may not be used in other literature.