



# NEXLER Optimax PV

## Bituminous membrane for pitched roofs

### TECHNICAL DATA

Type of reinforcement	non-woven polyester
Top finishing	fine grained
Low temperature flexibility	≤ -25°C
Visible defects	no visible defects
Length	≥ 20,0 m
Width	1,0 m (-0,5; +1,5)%
Straightforwardness	≤ 30 mm per 10 m of roll length
Basis weight	1100 g/m <sup>2</sup> ± 10%
Reaction to fire	class E
Watertightness	class W1
<b>Maximum tensile force:</b>	
- longitudinal extension	450 ± 150 N/50 mm (40 ± 15) %
- transversal extension	350 ± 150 N/50 mm (40 ± 15) %
<b>Resistance to tearing:</b>	
- longitudinal	300 ± 150 N
- transversal	300 ± 150 N
<b>Durability after artificial ageing related to:</b>	
• mechanical properties:	
- maximum tensile properties:	
longitudinal	450 ± 150 N/50 mm
transversal	350 ± 150 N/50 mm
- elongation:	
longitudinal	(40 ± 15) %
transversal	(40 ± 15) %
• resistance to water permeation	Class W1
<b>Dimensional stability</b>	≤ 0,8 %
<b>Compliance with the standard</b>	EN 13859-1:2010

### PROPERTIES

- Double SBS modification
- 3 years warranty as a top layer
- Durable, flexible and puncture-resistant
- Lightweight and easy to transport and installation



### APPLICATION

- Initial covering layer:
  - Under bitumen shingles, roofing tiles, sheet metal roofing tiles
  - For wooden substrates, OSB
  - For pitched roofs with a slope of min. 22%



### PACKAGING

#### Poland

- Roll length: 20 m
- Quantity per pallet: 24 rolls (480 m<sup>2</sup>)

#### Export

- Roll length: 20 m
- Quantity per pallet: 24 rolls (480 m<sup>2</sup>)

## METHODS OF USE

### ▪ CONDITIONS OF USE

Making an insulation using **NEXLER Optimax PV** bitumen membrane should be carried out according to the technical design, in accordance with the current building regulations and the detailed guidelines for the design and execution of insulation contained in NEXLER Insulation Systems and the Technical Data Sheet.

Do not carry out insulation work during strong winds and precipitation.

### ▪ SUBSTRATE PREPARATION

The substrate should be even and stable. The moisture content of the board substrate should not exceed 21%.

### ▪ PRODUCT CONTROL

The product should not raise any objections. The roll should be evenly rolled, without kinks.

### ▪ PRODUCT PREPARATION

If it is necessary to make the covering at low ambient temperatures, it is recommended to store the rolls in heated rooms at a temperature of not less than +18°C for 24 hours before installation.

### ▪ APPLICATION METHOD

The bitumen underlayer membrane **NEXLER Optimax PV** should be fixed mechanically using roofing staples or shingles nails with washers or without on wood substrate. Maintain a bituminous felt overlap min. 8 cm wide along the length of the felt strip and an overlap min. 12 cm wide at the joint perpendicular to the length of the felt strip. 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 it is recommended to use asphalt glues applied in cold state eg. NEXLER Arborex Aqua Stop, NEXLER Adhesive for Bituminous Felt and Shingles or NEXLER Bitumen Roofing Sealant.

Before fastening counter-laths on the roof, surface of the membrane below them should be sealed with the same bitumen products. On roofs with a slope of less than 50%, the bituminous felt strips are fixed parallel to the eaves, and for slopes above 50%, fixing perpendicular to the eaves is recommended.

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

### ▪ CONTROL OF PERFORMANCE

During acceptance, the following should be checked:

- correctness of bonding of overlaps with particular attention to transverse overlaps,
- correctness of mechanical fastening and securing of visible fasteners,
- correctness of detail work.

## TOOLS AND TOOL CLEANING

Spatula/cartridge extruder, hammer.

## WARRANTY

The manufacturer NEXLER sp. z o.o. provides the direct buyer of the **NEXLER Optimax PV** bitumen 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 30 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 3 years after the installation of the membrane **NEXLER Optimax PV**.

Details of the guarantee provided to the purchaser are contained in the guarantee card.

## STORAGE AND TRANSPORT

The rolls of **NEXLER Optimax PV** bituminous felt are protected with packing tapes before unrolling. Each roll has a label with the required data on it. The rolls are placed vertically on wooden industrial pallets and foiled. 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 bituminous felt rolls must be stored on a flat surface at a distance of at least 120 cm from radiators.

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

## NOTES

Works should be carried out in accordance with technical conditions, manufacturer's instructions, health and safety standards and regulations.

The membrane is not diffusion-open.

When covering roofs with thermal insulation, execution of covering ventilation must be assumed.

## IMPORTANT INFORMATION

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.

We guarantee the quality of our materials as part of our terms of sale and delivery. 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.

## CONTACT DETAILS

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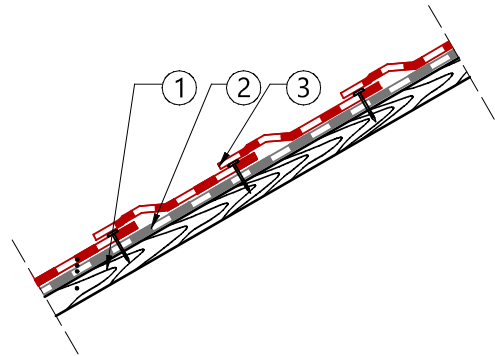
## ISSUE DATE

This Technical Data Sheet was issued on 24.02.2025.

Once we have issued a new Technical Data Sheet, this one is no longer valid.

## DETAILS

### Wooden or wood-based substrate



1. Wooden or wood-based substrate made of OSB
2. Mechanically fixed underlayer bituminous felt **NEXLER Optimax PV**
3. NEXLER Bitumen Shingles 800 or 1000