



NEXLER Zielony Dach PYE PV250 S50

Heat weldable top layer bituminous felt

TECHNICAL DATA

Type of reinforcement	non-woven polyester
Top finishing	fine-grained
Low temperature flexibility	≤ -20°C
Width	≥ 0,99 m
Straightforwardness	≤ 10 mm per 5,5 m roll length
Thickness	(5,0 ± 0,2) mm
Resistance to external fire exposure* *applies to the examined layer systems	B _{root} (t ₁)
Reaction to fire	class E
Watertightness: waterproof at a pressure	10 kPa (method A) 60 kPa (method B) 400 kPa (method B)
Tensile properties during stretching: - longitudinal elongation - transversal elongation	1100 ± 200 N/50 mm (50 ± 15) % 900 ± 250 N/50 mm (50 ± 15) %
Resistance to root penetration	requirements met
Resistance to static loading	≥ 20 kg (method A) ≥ 15 kg (method B)
Resistance to impact	≥ 1750 mm (method A)
Resistance to tearing: - longitudinal - transversal	350 ± 150 N 350 ± 150 N
Resistance of the joint: - shear strength • longitudinal joint • transversal joint	900 ± 200 N/50 mm 1000 ± 200 N/50 mm
Durability: flow resistance in high temperature	(100 ± 10)°C

Durability: - durability after artificial ageing, watertightness - durability against chemical	≥ 60 kPa (method B) acc. to annex A of the standard EN 13969
Dimensional stability	≤ 1%
Compliance with the standard	EN 13707:2004+A2:2009, EN 13969:2004, EN 13969:2004/A1:2006

PROPERTIES

- Resistant to root overgrowth
- Double SBS modification
- Durable and puncture-resistant
- Approved for use under heavy surface protection
- Flexible in a wide temperature range
- Approved for use in reduced ambient temperatures



35-YEARS SYSTEM WARRANTY



2xSBS



RESISTANT TO ROOT OVERGROWTH



HIGH DURABILITY

APPLICATION

- Top layer in multi-layer green roof coverings, ballasted roofs and under pavement intended for traffic
- Waterproofing for underground parts of buildings



FOR GREEN ROOFS



FOR BALLASTED ROOFS AND UNDER PAVEMENTS INTENDED FOR TRAFFIC



WELDING

PACKAGING

Poland

- Roll length: 5,5 m
- Quantity per pallet: 24 rolls (132 m²)

Export

- Roll length: 5,5 m
- Quantity per pallet: 24 rolls (132 m²)

METHOD OF USE

▪ CONDITIONS OF USE

Making an insulation using **NEXLER Zielony Dach PYE PV250 S50** bituminous felt 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.

The bituminous felt should be installed in ambient temperatures of above 0°C, this requirement applies to the time of day and night.

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

▪ SUBSTRATE PREPARATION

The substrate should meet the following requirements:

- dry substrate (no visible traces of moisture or darkening caused by moisture),
- clean substrate (the surface is free of dust, oil stains, grease and other contaminants),
- smooth substrate (local unevenness and cavities in the surface of concrete do not exceed ± 5 mm),
- even substrate (the gaps between the surface of the substrate and a 4 m long patch do not exceed 10 mm),
- roof slope inclination min. 1%.

Before welding **NEXLER Zielony Dach PYE PV250 S50** bituminous felt is recommended to prime concrete substrate with solvent-based bitumen primers for example NEXLER Penetrator G7, or water-based bitumen products for example NEXLER BITFLEX Primer. Substrates made of underlayer bituminous felt do not require priming.

▪ 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

NEXLER Zielony Dach PYE PV250 S50 bituminous felt should be fixed by welding. As a result of heating both the substrate and the underside of the bituminous felt with a burner, the thin protective plastic foil melts, the asphalt is slightly melted and the bituminous felt sticks evenly to the 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.

▪ CONTROL OF PERFORMANCE

During acceptance, the following should be checked:

- correctness of welding of overlaps - a continuous trickle of melted asphalt mixture on the overlaps is required,
- adhesion of the bituminous felt to the substrate,
- correctness of detail work.

WARRANTY

The manufacturer NEXLER sp. z o.o. provides the direct purchaser of **NEXLER Zielony Dach PYE PV250 S50** bituminous felt:

- a system warranty of 35 years for a two-layer covering on a concrete substrate primed with priming agents manufactured by NEXLER sp. z o.o.,
- a standard material warranty of 25 years for a two-layer roof covering.

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

TOOLS AND TOOL CLEANING

Roofing gas burner, bituminous felt uncoiler.

STORAGE AND TRANSPORT

The rolls of **NEXLER Zielony Dach PYE PV250 S50** 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.

Before applying the top layer bituminous felt, make sure that the next roll to be unrolled does not differ in the shade of the sprinkles. The sprinkle is a natural raw material and may vary in shade.

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.

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.

CONTACT DETAILS

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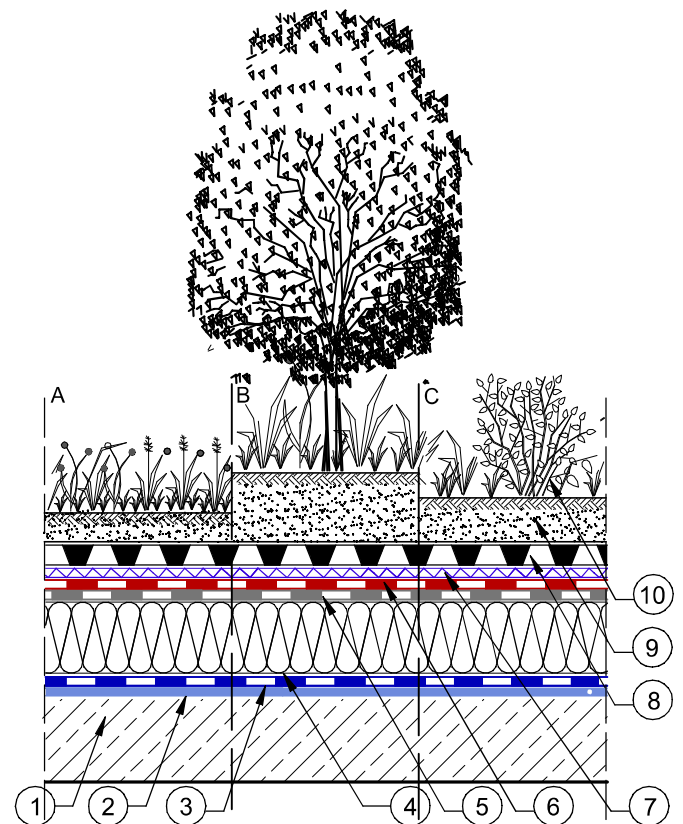
ISSUE DATE

This Technical Data Sheet was issued on 08.01.2025.

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

DETAILS

Green roof planted with extensive(A)/intensive(B)/semi-intensive(C) vegetation with thermal insulation, classic layering



1. Concrete substrate constructed with a slope min. 2%
2. Bituminous primer NEXLER BITFLEX Primer or NEXLER Penetrator G7
3. Vapour barrier made of NEXLER Alu S40 weldable bituminous felt
4. Thermal insulation – XPS boards
5. Self-adhesive bituminous felt NEXLER Plan PYE G200 S30 SP
6. Weldable bituminous felt resistant to plant root overgrowth
NEXLER Zielony Dach PYE PV250 S50
7. Protective and separation geotextile NEXLER NexGreen Geo Safe 350
8. Perforated accumulation and drainage membrane integrated with geotextile NEXLER NexGreen Duo BB 20/200 P
9. Substrate layer selected according to type of greenery
10. Plant zone