NEXLER MEDIUM PYE PV200 S40

Heat-weldable underlayer bituminous felt

TECHNICAL DATA

Type of reinforcement	non-woven polyester
Top finishing	fine-grained
Low temperature flexibility	≤ -5°C
Width	≥ 0,99 m
Straightforwardness	≤ 15 mm per 7,5 m roll length
Thickness	(4 ± 0,4) mm
Resistance to external fire exposure* *applies to the examined layer systems	$B_{roof}(t_1)$
Reaction to fire	class E
Watertightness: waterproof at a pressure	10 kPa (method A) 60 kPa (method B)
Maximum tensile force: - longitudinal - longitudinal extension - transversal - transversal extension	850 ± 250 N/50 mm (50 ± 15) % 650 ± 300 N/50 mm (50 ± 15) %
Resistance to root penetration	NPD
Resistance to static loading	≥ 15 kg (method B)
Resistance to impact	≥ 900 mm (method A)
Resistance to tearing: - longitudinal - elongation	300 ± 150 N 300 ± 150 N
Resistance of the joint: - shear • longitudinal joint • transversal joint	650 ± 250 N/50 mm 850 ± 250 N/50 mm
Dimensional stability	≤ 1%
Durability: - durability after artificial ageing, watertightness - durability against chemical	≥ 60 kPa (method B) acc. to annex A of standard EN 13969
Reference document(s)	EN 13707:2004+A2:2009; EN 13969:2004; EN 13969:2004/A1:2006

PROPERTIES

- It has a strong and durable reinforcement
- Fixed by welding and mechanically

5-YEARS WARRANTY | SBS-MODIFIED | HIGH DURABILITY

APPLICATION

- Underlayer in multi-layer roof coverings, terraces and balconies
- Waterproofing for underground parts of buildings

FOR ROOFS, FOUNDATIONS AND TERRACES | WELDING | MECHANICAL FASTENING

PACKAGING

Poland

- Roll length: 7,5 m
- Quantity per pallet: 20 rolls (150 m²)

Export

- Roll length: 7,5 m
- Quantity per pallet: 20 rolls (150 m²)

METHOD OF USE

CONDITIONS OF USE

Making an insulation using **NEXLER MEDIUM PYE PV200 S40** 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 +5°C, this requirement applies to the time of day and night. Do not carry out insulation work during strong winds and precipitation.

SUBSTRATE PREPARATION

In addition, the substrate should meet the following requirements:

- dry substrate (concrete in an air-dry condition, without any visible traces of moisture or darkening caused by moisture),
- clean substrate (the surface of the concrete is free of loose fractions, dust, oil stains, grease and other impurities),
- 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 batten placed on the concrete substrate do not exceed 10 mm).

Before welding **NEXLER MEDIUM PYE PV200 S40** 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.

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 MEDIUM PYE PV200 S40 bituminous felt should be fixed by welding to a primed concrete substrate or metal substrate. The bituminous felt can also be installed on thermal insulation boards.

Installation of the bituminous felt should be carried out by welding or mechanical fixing. Application should be carried out after the priming agent has completely dried (or cured).

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. **NEXLER MEDIUM PYE PV200 S40** bituminous felt can also be mechanically fixed, with or without a layer of thermal insulation, to a concrete, wooden, or metal substrate. In that case the bituminous felt is fixed with mechanical connectors at the edge of the strip and then welded at the overlaps. 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. An asphalt outflow of approx. 0,5 cm in width over the entire length of the welded overlap is required.

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 MEDIUM PYE PV200 S40**:

- a material warranty of 5 years.

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 MEDIUM PYE PV200 S40** 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 welding the bituminous felt, take notice of whether the next roll to be rolled out does not differ in the shade of the sprinkle. 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 ownprofessional 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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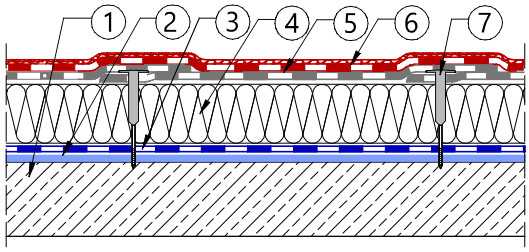
ISSUE DATE

This Technical Data Sheet was issued on 17.12.2024.

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

DETAILS

Covering for a flat roof with a concrete substrate



1. Reinforced concrete floor
2. Bituminous primer NEXLER BITFLEX Primer
3. Vapour barrier NEXLER Alu S40
4. Mineral wool
5. Underlayer bituminous felt **NEXLER MEDIUM PYE PV200 S40**
6. Top layer bituminous felt NEXLER PREMIUM PYE PV250 S53H
7. Telescopic connector