



## Technical Data Sheet

# NEXLER PREMIUM PYE PV 30

## Underlayer bituminous felt

### Technical data:

**Reinforcement:** non-woven polyester reinforced with glass fibers

**Top finishing:** fine grained

**Asphalt kind and cold flexibility:** SBS-modified, -25 °C

**Visible defects:** lack of visible defects

**Length:** ≥ 10 m

**Width:** ≥ 0,995 m

**Straightforwardness:** ≤ 20 mm per 10 m of roll length

**Quantity on pallet:** 24 rolls (240 m<sup>2</sup>)

**Basis weight:** 3,0 kg/m<sup>2</sup> ± 5%

**Resistance to external fire exposure:** NPD

**Reaction to fire:** class E

**Watertightness:** waterproof at a pressure:

10 kPa (method A)

60 kPa (method. A)

**Tensile properties during stretching:**

longitudinal: 800 ± 200 N/50 mm

elongation: (50 ± 25) %

transversal: 600 ± 200 N/50 mm

elongation: (50 ± 25) %

**Resistance to static loading:** ≥ 10 kg (method B)

**Resistance to impact:** ≥ 600 mm (method A)

**Resistance to tearing:**

longitudinal: 300 ± 100 N

transversal: 400 ± 100 N

**Durability:** waterproof at a pressure of 60 kPa:

- after artificial aging

- after exposure to chemicals

(according to annex A of the standard)

**Flexibility at low temperature:** ≤ -25 °C

**Compliance with the standard:**

EN 13707:2004+A2:2009

EN 13969:2004, EN 13969:2006/A1:2007

**Compliance with the TL2 requirements**

### Application:

NEXLER PREMIUM PYE PV 30 felt is intended for waterproofing as an under layer in multilayer roof coverings. NEXLER PREMIUM PYE PV 30 felt is also recommended for performing the damp-proof and waterproof insulation of underground elements (type A and T), insulation of balconies, multilayer insulation of terraces. Permissible roof slope inclination from 1%.

### Conditions of application:

Insulation with NEXLER PREMIUM PYE PV 30 felt should be made in accordance with the basic design, in compliance with the applicable construction regulations and as per the detailed insulation design and delivery guidelines for NEXLER Insulation Systems and the technical specifications of the product.

### Method of application:

NEXLER PREMIUM PYE PV 30 felt should be mechanically fixed or fixed with using the hot-melt bituminous adhesives to the primed concrete substrate or to the previously fastened underlayer bitumen membrane or to the old, renovated bitumen membrane roofing. The substrate should be mechanically resistant, and free from any loose dirt, greasy stains or water.

Before gluing bitumen felt, it is recommended to prime concrete substrate or old bitumen layers with water-based bitumen products for example NEXLER BITFLEX Primer or solvent-based bitumen primers for example NEXLER Penetrator G7.

Felt NEXLER PREMIUM PYE PV 30 should be glued only hot-melted bituminous binders, taking into account the recommendations of the adhesive manufacturers. The temperature of the hot-applied asphalt binder at the time of bonding must be 160-180°C.

The bitumen felt sheets should be joined on overlaps with a width of no less than 10 cm. Overlaps should be sealed with hot-melted adhesive.

The length of the bonded part of the bitumen felt cannot exceed 8 m. In particular layers of the roofing, the bitumen felt sheets should be moved in relation to each other in case of double-layer covering by 1/2 of the sheet width, and in three-layer covering by 1/3 of the sheet width.

## Method of application, cont.:

Humidity of the concrete or cement finish substrate cannot be greater than 6%, and humidity of wooden substrate cannot be greater than 21%. If it is necessary to perform the roof covering in adverse weather conditions, additional protective measures should be applied.

The felt can be applied at the ambient temperatures above 0°C. This requirement applies to the time of day and night. At lower temperature of the environment NEXLER PREMIUM PYE PV 30 should be stored before use for 24 hours at temperatures no lower than +18°C.

Substrate preparation and felt installation should be carried out in accordance with the principles described in NEXLER Insulation Systems.

## Warranty:

The manufacturer NEXLER Sp. z o.o. provides the direct buyer of NEXLER PREMIUM PYE PV 30 felt with:

- a special 15-year material warranty on concrete substrate primed with NEXLER products
- a standard 8-year material warranty

Exercising the rights under this warranty is subject to using the felt in compliance with the applicable construction regulations and the technical specification of the product, and as per the intended use of the product and the possible solutions specified in the Nexler Insulation Systems documentation.

## Transportation and storage:

The rolls of NEXLER PREMIUM PYE PV 30 felt 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 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.

## Name and number of the notified certification body:

The Polish Centre for Testing and Certification (Polskie Centrum Badań i Certyfikacji S.A.) notified body no. 1434

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