



## Technical Data Sheet

# NEXLER ULTIMAX PYE PV 40H

## Heat weldable top layer bitumenous felt

### Technical data:

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

**Top finishing:** coarse grained

**Asphalt kind and cold flexibility:** SBS modified, -10 °C

**Visible defects:** lack of visible defects

**Length:**  $\geq 7,5$  m or  $\geq 10$  m

**Width:**  $\geq 0,99,0$  m

**Straightforwardness:**  $\leq 15$  mm per 7,5 m of roll length

**Quantity on pallet:** 24 rolls (180 m<sup>2</sup>) or 20 rolls (200 m<sup>2</sup>)

**Weight:** (4,0  $\pm$  0,25) kg/m<sup>2</sup>

**Resistance to external fire:** NPD

**Watertightness:** waterproof at a pressure of 10 kPa (met. A)

### Tensile properties during stretching:

longitudinal: 600  $\pm$  200 N/50mm

elongation: (50  $\pm$  20) %

transversal: 400  $\pm$  200 N/50mm

elongation: (50  $\pm$  20) %

**Durability:** flow resistance in high temperature: (90  $\pm$  10) °C

**Flexibility at low temperature:**  $\leq 0$ °C

**Compliance with the standard:**

EN 13707:2004+A2:2009

### Application:

The NEXLER ULTIMAX PYE PV 40H bituminous felt is intended for waterproofing as a top layer in multilayer roof covering. Permissible roof slope inclination is from 1%. Felt may be used for single-layer roof covering in condition performing it is not mechanically fastened.

### Conditions of application:

Insulation with the NEXLER ULTIMAX PYE PV 40H 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:

The NEXLER ULTIMAX PYE PV 40H felt should be fixed by welding to the previously fastened heat weldable underlayer bituminous felt or to old renovated bitumen covering of the roof. The substrate must be free from any loose dirt, greasy stains or water.

Before the torching-on the NEXLER ULTIMAX PYE PV 40H it is recommended to prime old bitumen layers with solvent-based bitumen primers for example NEXLER Penetrator G7 or water-based bitumen products for example NEXLER BITFLEX Primer. Substrates made of underlayer felts do not require priming.

Prior to fixing the top layer felt covering, check whether the next unrolled roll does not differ in the shade of granules on the upper side (which are a natural resource and their tint may change). When both sides of the felt are heated with a torch-on, a protective thin plastic foil melts, asphalt begins to melt and the felt adheres to the substrate. Felt overlaps must be min. 8 cm wide along the felt strand and min. 12 cm wide at the junction perpendicular to the length of felt strand. Each time after completing of torching-on, it is necessary to check its correctness and make control of the felt joints on the overlaps. The top edge of the felt on vertical surface should be additionally fixed with a special pressure strip mechanically

### Method of application, cont.:

## NEXLER ULTIMAX PYE PV 40H

Felt should be applied at temperatures above +5°C. This requirement applies to the time of day and night. At lower temperature of the environment the NEXLER ULTIMAX PYE PV 40H felt should be stored before use for 24 hours at temperatures no lower than +18°C.

The tightness and life of the bituminous cover also depend on the careful fixing of its individual layers and on the correct execution of roofing treatments. Highly modified SBS roofing felt is recommended for the flashing of attics, skylights, chimneys and in sink channels, in the vicinity of roof outlets, for expansion joints. The edge of the roofing felt on the vertical surface should be additionally fastened with a special aluminum clamping bar fixed with pins and sealed with roofing sealant.

### Warranty:

The manufacturer NEXLER Sp. z o.o. provides the direct buyer of the NEXLER ULTIMAX PYE PV 40H felt with:

— a standard 7-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 ULTIMAX PYE PV 40H 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 at a distance of at least 120 cm from radiators.

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

### Note:

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