



Technical Data Sheet

NEXLER PJ PYE PV200 S40

Weldable under layer bitumen membrane

Technical data:

Reinforcement: non-woven polyester reinforced with glass fibers

Top finishing: fine grained

Asphalt kind and cold flexibility: SBS-modified, -20 °C

Visible defects: lack of visible defects

Length: ≥ 7,5 m

Width: ≥ 0,99 m

Straightforwardness: ≤ 10 mm per 5 m of roll length

Quantity on pallet: 20 rolls (150 m²)

Thickness: 4,0 mm ± 10%

Flow resistance in high temperature: ≥ 100 °C

Resistance to external fire exposure: NPD

Reaction to fire: class E

Watertightness: waterproof at a pressure:

10 kPa (met. A)

60 kPa (met. A)

Tensile properties during stretching:

longitudinal: 700 + 300, -200 N/50 mm

elongation: (50 ± 15) %

transversal: 500 + 300, -200 N/50 mm

elongation: (50 ± 15) %

Resistance to static loading: ≥ 10 kg (met. B)

Resistance to impact: ≥ 700 mm (met. A)

Resistance to tearing:

longitudinal: 300 ± 200 N

transversal: 300 ± 200 N

The shear strength of the joint:

longitudinal joint: 500 + 300, -200 N/50 mm

transversal joint: 700 + 300, -200 N/50 mm

Durability after artificial aging and after exposure to chemicals:

- waterproof at a pressure of 60 kPa,
- change of water vapor diffusion resistance not greater than ± 50 %

Flexibility at low temperature: ≤ -20 °C

Permeation of water vapour: S_d ~ 480 m

Permeation of water vapour:

$$3,47E+11 \pm 25\% \frac{m^2 \cdot s \cdot Pa}{kg}$$

Compliance with the standard:

EN 13707:2004+A2:2009

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

EN 13970:2004, EN 13970:2004/A1:2006

Application:

NEXLER PJ PYE PV200 S40 membrane is intended for waterproofing as an under layer in multilayer roof coverings. NEXLER PJ PYE PV200 S40 membrane 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 and as a vapour barrier. Permissible roof slope inclination from 1%.

Conditions of application:

Insulation with NEXLER PJ PYE PV200 S40 membrane 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 PJ PYE PV200 S40 membrane should be fixed by welding to the primed concrete substrate or galvanized steel sheet base or to the previously fastened underlayer bitumen membrane. The membrane can be also fixed to the thermal insulation sandwich panels. The substrate must be mechanically resistant, and free from any loose dirt, greasy stains or water.

Before the torching-on NEXLER PJ PYE PV200 S40 membrane it is recommended to prime the concrete substrate with solvent-based bitumen primers NEXLER Penetrator G7 or water-based bitumen products for example NEXLER BITFLEX Primer. When both sides of the membrane are heated with a torch-on, a protective thin plastic film melts, asphalt begins to melt and the membrane adheres to the substrate. NEXLER PJ PYE PV200 S40 membrane could be also mechanically fixed together with thermal insulation layer or without this layer to concrete, wooden or steel sheet substrates. In this case, the membrane is installed with mechanical fasteners on the side of the felt strip, and then heat-bonded on the overlaps.

Method of application, cont.:

To fasten mechanically underlayer membrane and thermal insulation boards to the substrate, it is recommended to put the membrane in an inverted position, which means the underside covered with microfolia upside, which makes it easier to adhere to top layer membrane. The membrane can be attached to the primed substrate by welding the entire surface of its top or bottom side with a torch-on. The top side of the membrane with fine grained granules, is adapted to using asphalt glues applied in cold or in hot state in order to glue thermal insulation boards. Membrane overlaps must be min. 8 cm wide along the membrane strand and min. 12 cm wide at the junction perpendicular to the length of membrane strand. The membrane 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 PJ PYE PV200 S40 should be stored before use for 24 hours at temperatures no lower than +18°C.

Substrate preparation and membrane 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 PJ PYE PV200 S40 membrane with:

- a special 15-year material warranty if the NEXLER Sp z o.o. primer is primers are used
- or
- a standard 9-year material warranty.

Exercising the rights under this warranty is subject to using the membrane 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 PJ PYE PV200 S40 membrane 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 membrane 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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