Technical Data Sheet

NEXLER PREMIUM PYE PV 40

Heat weldable underlayer bituminous felt

Technical data:

Reinforcement: non-woven polyester reinforced with glass fibers
Top finishing: fine grained or PE foil
Asphalt kind and cold flexibility: SBS-modified, -20 °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: 20 rolls (200 m^2)
Basis weight: 4,0 kg/m^2 ± 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
The shear strength of the joint:
longitudinal joint: 600 ± 200 N/50 mm
transversal joint: 800 ± 200 N/50 mm
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: ≤ -20 ˚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 40 felt is intended for waterproofing as an under layer in multilayer roof coverings. NEXLER PREMIUM PYE PV 40 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 40 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 40 felt should be fixed by welding to the primed concrete substrate or galvanized steel sheet base or to the previously fastened underlayer bituminous felt. The felt 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 PREMIUM PYE PV 40 felt it is recommended to prime the concrete substrate with solvent-based bitumen primers for example NEXLER Penetrator G7, or water-based bitumen products for example NEXLER BITFLEX Primer.

When both sides of the felt are heated with a torch-on, a protective thin plastic film melts, asphalt begins to melt and the felt adheres to the substrate. NEXLER PREMIUM PYE PV 40 felt 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 felt is installed with mechanical fasteners on the side of the felt strip, and then heat-bonded on the overlaps. To fasten mechanically underlayer felt with fine grain finishing and thermal insulation boards to the substrate, it is recommended to put the felt in an inverted position, which means the underside covered with micro-foil upside, which makes it easier to adhere to top layer felt.

Felt overlaps must be min. 8 cm wide along the felt strand and min. 10 cm wide at the junction perpendicular to the length of

NEXLER Sp. z o.o.
81-537 Gdynia
ul. Łużycka 6
tel.: +48 58 781 45 85
e-mail: info@nexler.com
NIP: 586-20-73-821
Regon 191528483
nr rej. BDO: 000009205
Sąd Rejonowy Gdańsk-Północ w Gdańsku
VIII Wydz. Gospodarczy KRS 0000063616
Kapitał zakładowy 7 772 500,00 Pln

Method of application, cont.:

felt strand. Each time after the welding operation is completed, it is necessary to check the correctness of the bituminous felt connection at the overlaps.

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 40 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 40 felt with:

— a standard 6-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 40 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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