



Technical Data Sheet

NEXLER STANDARD V60 S35

Heat weldable underlayer bitumen membrane

Technical data:**Reinforcement:** glass veil**Top finishing:** fine grained**Asphalt kind and cold flexibility:** oxidized, 0°C**Visible defects:** lack of visible defects**Length:** ≥ 10 m**Width:** ≥ 0,99 m**Straightforwardness:** ≤ 20 mm per 10 m of roll length**Quantity on pallet:** 20 rolls (200 m²)**Thickness:** (3,5 ± 0,2)mm**Resistance to external fire exposure:** NPD**Reaction to fire:** class E**Watertightness:** waterproof at a pressure of 10 kPa**Tensile properties during stretching:**

longitudinal: 550 ± 150 N/50mm

elongation: (4 ± 2) %

transversal: 300 ± 150 N/50mm

elongation: (4 ± 2) %

Resistance to static loading: ≥ 5 kg (met.B)**Resistance to impact:** ≥ 700 mm (met. A)**Resistance to tearing (with nail):**

longitudinal: 100 ± 50 N

transversal: 100 ± 50 N

The shear strength of the joint:

longitudinal joint: 300 ± 150 N/50 mm

transversal joint: 550 ± 150 N/50 mm

Durability after artificial aging and after exposure to chemicals:

- waterproof after artificial ageing at a pressure of 2 kPa (met. A):
- water vapor diffusion resistance after artificial ageing
 $7,5 \text{ E}+11 \pm 50\% \frac{\text{m}^2 \times \text{s} \times \text{Pa}}{\text{kg}}$
- chemical resistance (acc. to annex A of the standard)

Flexibility at low temperature: ≤ 0°C**Permeation of water vapor:** $3,9 \times 10^{11} (\text{m}^2 \times \text{s} \times \text{Pa}) / \text{kg} \pm 25\%$ **Radon permeability:** $k=1,0 \times 10^{-12} \text{ m}^2/\text{s}$ **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 STANDARD V60 S35 membrane is intended for waterproofing as an under layer in multilayer roof covering on the dimensionally stable substrates, in structures not exposed to high loads and stresses. NEXLER STANDARD V60 S35 membrane is also recommended for performing the damp-proof insulation of the buildings, underground elements (type A), and as a vapor control layer on concrete substrate. Permissible roof slope inclination from 1%.

Conditions of application:

Insulation with NEXLER STANDARD V60 S35 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:

The NEXLER STANDARD V60 S35 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 substrate must be mechanically resistant, and free from any loose dirt, greasy stains or water.

Before the torching-on the NEXLER STANDARD V60 S35 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. 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. Membrane may be applied at temperatures above +5°C. This requirement applies to the time of day and night. At lower temperature of the environment ie. below +10°C NEXLER STANDARD V60 S35 membrane 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 STANDARD V60 S35 membrane with:

- a special 5-year material warranty if the NEXLER sp z o.o. primers are used on concrete substrate
- or
- a standard 3-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 STANDARD V60 S35 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

Note:

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