



## Technical Data Sheet

# NEXLER MEDIUM PYE G200 S40

## Heat weldable underlayer bitumen membrane

### Technical data:

**Reinforcement:** glass fabric

**Top finishing:** fine grained

**Asphalt kind and cold flexibility:** SBS-modified, -5°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 m<sup>2</sup>)

**Thickness:** 4,0 mm ± 10%

**Resistance to external fire exposure:** NPD

**Reaction to fire:** class E

**Watertightness:** waterproof at a pressure:

2 kPa (met.A)

10 kPa (met. A)

**Tensile properties during stretching:**

longitudinal: 1300 ± 500 N/50mm

elongation: (7,0 ± 3,0) %

transversal: 2500 ± 800 N/50mm

elongation: (7,0 ± 3,0) %

**Resistance to static loading:** ≥ 5 kg (met. B)

**Resistance to impact:** ≥ 1000 mm (met. A)

**Resistance to tearing (with nail):**

longitudinal: 500 ± 300 N

transversal: 350 ± 250 N

**The shear strength of the joint:**

longitudinal joint: 2500 ± 800 N/50 mm

transversal joint: 1300 ± 500 N/50 mm

**Durability after artificial aging and after exposure to chemicals:**

- waterproof at a pressure of 2 kPa,
- change of water vapor diffusion resistance not greater than ± 50 %

**Flexibility at low temperature:** ≤ -5°C

**Permeation of water vapour:**

$1,23E+12 \pm 25\% \frac{m^2 \cdot s \cdot Pa}{kg}$

**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 MEDIUM PYE G200 S40 membrane is intended for waterproofing as an under layer in multilayer roof covering it is particularly recommended for roofs with long lifespan requirement. NEXLER MEDIUM PYE G200 S40 membrane is also recommended for performing the damp-proof insulation of the buildings, underground elements (type A) and as a vapour barrier. Permissible roof slope inclination from 1%.

### Conditions of application:

Insulation with NEXLER MEDIUM PYE G200 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 MEDIUM PYE G200 S40 membrane should be fixed by welding to the previously primed concrete substrate or galvanized steel sheet base or to the previously fastened underlayer bitumen membrane. The membrane can be also fixed to 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 MEDIUM PYE G200 S40 membrane it is recommended to prime concrete substrate with solvent-based bitumen primers for example IZOHAN PENETRATOR G7 or water-based bitumen products 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 MEDIUM PYE G200 S40 membrane could be also mechanically fixed together with thermal insulation layer to any substrate or without thermal insulation to concrete substrate or steel sheet base. In this case, the membrane is installed with mechanical fasteners on the side of the felt strip, and then heat-bonded on the overlaps. To fasten mechanically underlayer membrane and thermal insulation boards to the substrate, it is recommended to put the membrane in an

**Method of application, cont.:**

inverted position, which means the underside covered with microfoil upside, which makes it easier to adhere to toplayer membrane. Membrane overlaps must be at least 8 cm wide along the membrane strand and at least 12 cm wide at the junction perpendicular to the length of membrane strand. Membrane can be applied at temperatures above +5°C. This requirement applies to the time of day and night. At lower temperatures of the environment eg. below +10°C, NEXLER MEDIUM PYE G200 S40 membrane should be stored before use for 24 hours at temperatures no lower than 18°C. Substrate preparation and membrane installation should be performed in accordance with the principles described in Nexler Insulation Systems.

**Warranty:**

The manufacturer IZOHAN Sp. z o. o. provides the direct buyer of NEXLER MEDIUM PYE G200 S40 membrane with:

- a special 7-year material warranty if the IZOHAN Sp. z o.o. primers are used on concrete substrate
- or
- a standard 5-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 MEDIUM PYE G200 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

**Note:**

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