



NEXLER Stick

Self-adhesive bituminous felt

TECHNICAL DATA

Reinforcement	glass veil
Top coating	PE foil
Kind of asphalt flexibility	≤ -20°C
Length	≥ 10 m
Width	≥ 0,99 m
Width of detail-work bituminous felt	0,5 m
Straightforwardness	≤ 10 mm per 5 m of roll length
Thickness	(2,5 ± 0,2) mm
Flow resistance in high temperature	100°C
External fire resistance* * applies to the examined layer systems	B _{roof} (t ₁), B _{roof} (t ₂)
Reaction to fire	class E
Watertightness	≥ 2 kPa (method A) ≥ 10 kPa (method A)
Tensile properties during stretching:	
• longitudinal elongation	450 ± 150 N/50 mm (4 ± 2) %
• transversal elongation	300 ± 150 N/50 mm (4 ± 2) %
Resistance to static loading	≥ 5 kg (method B)
Resistance to impact	≥ 600 mm (method A)
Resistance to tearing:	
• longitudinal	150 ± 100 N
• transversal	100 ± 50 N
The shear strength of the joint:	
• longitudinal joint	300 ± 150 N/50 mm
• transversal joint	450 ± 150 N/50 mm
Durability:	
• after artificial aging	waterproof at a pressure of ≥ 2 kPa (method A)
• after exposure to chemicals	acc. to annex A of the standard
Permeation of water vapor	Sd ~ 320 m
Compliance with the standard	EN 13707:2004+A2:2009, EN 13969:2004, EN 13969:2004/A1:2007

Tests of self-adhesive properties carried out at the Łukasiewicz-WIT, Laboratorium Materiałów Budowlanych „IZOLACJA”.

Peeling strength of bituminous felt from polystyrene boards:

(Research Procedure No. 3 ed. 03 of May 12, 2021)

- at 23°C and 50% humidity: 110 ± 7 kPa

- after 24 hours of water exposure at 20°C: 100 ± 9 kPa

- after 24 hours exposure to 70°C: 140 ± 11 kPa

Resistance to tearing off the roofing felt from the surface of polystyrene boards:

(Research procedure No. 3 issue 04 of May 12, 2021)

- force tearing the felt off the EPS boards: 14.4 ± 1.5 N

PROPERTIES

- Elastic sbs-modified asphalt mass
- Self-adhesive
- Perfect for flashings



DOUBLE SBS MODIFICATION



SELF-ADHESIVE

APPLICATION

- Base layer in multilayer roof coverings
- Base layer in multilayer terrace coverings
- As roof and terrace waterproofing could be applied on EPS boards
- Damp proof insulations of underground parts of buildings (type A)
- Permissible roof slope from 1%.
- 0,5 m wide bituminous felt intended for detail work on the roofing, including detail work on vertical elements. Convenient for use on foundations and footings.



FOR ROOFS AND TERRACES



MECHANICAL FASTENING

PACKAGING

- Roll length:
 - 10 m of standard bituminous felt (10 m²)
 - 10 m of detail-work bituminous felt (5 m²)
- Quantity per pallet:
 - 24 rolls of standard bituminous felt (240 m²)
 - 48 rolls of detail-work bituminous felt (240 m²)

METHOD OF USE

▪ CONDITIONS OF USE

Making an insulation using **NEXLER Stick** bituminous felt should be carried out according to the technical design, in accordance with the current building regulations and the detailed guidelines for the design and execution of insulation contained in NEXLER Insulation Systems and the Technical Data Sheet.

▪ SUBSTRATE PREPARATION

NEXLER Stick bituminous felt should be fixed by adhering, using its self-adhesive properties, to primed concrete substrate or galvanized steel sheet base. In case of waterproofing of terraces it can be adhered to XPS or EPS boards and also to mineral wool in conditions of it priming by NEXLER BITLEX PRIMER before application.

NEXLER Stick bituminous felt may be also fixed mechanically together with thermal insulation layer to concrete substrate. The substrate must be mechanically resistant, and free from any loose dirt, greasy stains or water.

Before adhering **NEXLER Stick** bituminous felt it is recommended to prime concrete substrate with water-based bitumen product NEXLER BITLEX PRIMER. Outdoor priming with solvent-based bitumen primers for example NEXLER Penetrator G7 is allowed.

▪ APPLICATION METHOD

The overlap should be at least 8 cm wide along the strand and at least 12 cm at the junction perpendicular to the length of the strand. Bituminous felt can be applied at ambient temperatures above +10°C. Temperature requirement applies to the time of day or night. At lower temperature of the environment bituminous felt should be stored for 24 hours before use at temperatures no lower than +18°C. In the places where bituminous felt changes from horizontal to vertical, use polystyrene or hard mineral wool wedge. During vertical and transversal flashings with **NEXLER Stick**, bottom surface of the bituminous felt should be additionally heated, to increase the adhesive strength.

Substrate preparation and bituminous felt installation should be performed in accordance with the principles described in Nexler Insulation Systems.

STORAGE AND TRANSPORT

The rolls of **NEXLER Stick** bituminous 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 bituminous 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.

WARRANTY

The manufacturer NEXLER sp. z o.o. provides the direct buyer of **NEXLER Stick** bituminous felt with a special 12-year material warranty if the NEXLER Sp. z o.o. primer is used on the substrate or a standard 9-year material warranty.

Exercising the rights under this warranty is subject to using the bituminous 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.

IMPORTANT INFORMATION

Please refer to the detailed conditions of use of the product before use.

We guarantee the quality of our materials as part of our terms of sale and delivery.

For buildings with special requirements that are not covered by this manual, we provide our Customers with our own professional advisory service.

The manufacturer has no influence on the improper use of the material, its use for other purposes or under conditions other than those described above. The guarantee only covers the quality of the delivered product. The correct and therefore effective use of the product is not subject to our control.

Neither the manufacturer nor his authorised representative may be held liable for any loss incurred as a result of improper use or storage of the product.

Employees of the company are authorised to provide technical information only in accordance with this technical data sheet.

Information other than that contained in this sheet should be confirmed in writing.

If you have any doubts, consult the manufacturer.

Once we have issued a new technical data sheet, this manual is no longer valid.

CONTACT DETAILS

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