



NEXLER Stick

Self-adhesive underlayer bituminous felt

TECHNICAL DATA

Type of reinforcement	glass veil
Coating on the top side	foil
Low temperature flexibility	$\leq -20^{\circ}\text{C}$
Width	$\geq 0,99\text{ m}$
Straightforwardness	$\leq 20\text{ mm per } 10\text{ m roll length}$
Thickness	$(2,5 \pm 0,2)\text{ mm}$
Resistance to external fire exposure* *applies to the examined layer systems	$B_{\text{roof}}(t_1), B_{\text{roof}}(t_2)$
Reaction to fire	class E
Watertightness: waterproof at a pressure	$\geq 2\text{ kPa (method A)}$ $\geq 10\text{ kPa (method A)}$
Maximum tensile force: - longitudinal extension - transversal extension	$450 \pm 150\text{ N/50 mm}$ $(4 \pm 2)\%$ $300 \pm 150\text{ N/50 mm}$ $(4 \pm 2)\%$
Resistance to root penetration	NPD
Resistance to static loading	$\geq 5\text{ kg (method B)}$
Resistance to impact	$\geq 600\text{ mm (method A)}$
Resistance to tearing: - longitudinal - transversal	$150 \pm 100\text{ N}$ $100 \pm 50\text{ N}$
Resistance of the joint : - shear strength • longitudinal joint • transversal joint	$300 \pm 150\text{ N/50 mm}$ $450 \pm 150\text{ N/50 mm}$
Durability: - durability after artificial ageing, watertightness - durability against chemical	$\geq 2\text{ kPa (method A)}$ acc. to annex A of the standard EN 13969
Resistance to run-off at increased temperatures	100°C

Peeling strength of bituminous felt from polystyrene boards:

- at 23°C and 50% humidity	$110 \pm 7\text{ kPa}$
- after 24 hours of water exposure at 20°C	$100 \pm 9\text{ kPa}$
- after 24 hours exposure to 70°C	$140 \pm 11\text{ kPa}$

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

- force tearing the bituminous felt off the EPS boards	$14,4 \pm 1,5\text{ N}$
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Reference document(s)	EN 13707:2004+A2:2009 EN 13969:2004; EN 13969:2004/A1:2006
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PROPERTIES

- Double SBS modification
- Excellent self-adhesive properties
- Flexible
- Easy and convenient for roof detail work
- Self-adhesive and mechanical installation



12-YEARS WARRANTY



2xSBS



EASY AND QUICK TO USE

APPLICATION

- Underlayer in multi-layer roof coverings, terraces and balconies, for any type of substrate
- As roof and terrace insulation, it can be applied on a thermal insulation layer made of EPS boards (polystyrene)
- Damp-proof insulation of underground parts of buildings (type A)



FOR ROOFS, TERRACES AND BALCONIES



MECHANICAL FASTENING



SELF-ADHESIVE

PACKAGING

Poland

- Roll length: 10 m
- Iquantity per pallet:
24 rolls (240 m²)

Export

- Roll length: 10 m
- Quantity per pallet:
24 rolls (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.

The bituminous felt should be installed in ambient temperatures of above +10°C, this requirement applies to the time of day and night.

Do not carry out insulation work during strong winds and precipitation.

▪ SUBSTRATE PREPARATION

In addition, the substrate should meet the following requirements:

- dry substrate (concrete in an air-dry condition, without any visible traces of moisture or darkening caused by moisture),
- clean substrate (the surface of the concrete is free of loose fractions, dust, oil stains, grease and other impurities),
- smooth substrate (local unevenness and cavities in the surface of concrete do not exceed ± 5 mm),
- even substrate (the gaps between the surface of the substrate and a 4 m long batten placed on the concrete substrate do not exceed 10 mm).

Before installing **NEXLER Stick**, it is recommended to prime the concrete substrate or the old bitumen coating with solvent-based asphalt agents, e.g. NEXLER Penetrator G7, or a water-based asphalt preparation, e.g. NEXLER BITFLEX Primer.

▪ PRODUCT CONTROL

The product should not raise any objections. The roll should be evenly rolled, without kinks.

▪ PRODUCT PREPARATION

If it is necessary to make the covering at low ambient temperatures, it is recommended to store the rolls in heated rooms at a temperature of not less than +18°C for 24 hours before installation.

▪ APPLICATION METHOD

NEXLER Stick bituminous felt should be fixed using self-adhesive properties to EPS panels or other thermal insulation, to a primed concrete or sheet metal substrate. The bituminous felt can additionally be fixed mechanically. Application on concrete substrate should be carried out after the priming agent has completely dried (or cured). The final adhesion forces to the substrate in these cases are obtained after welding the next layer of bituminous felt onto the **NEXLER Stick** bituminous felt.

Surfaces to which the felt will be bonded must be dry. Once the roll has been unrolled, place it carefully in the space provided for it and cut off an appropriate section of the felt if necessary. Then remove

the foil protecting the underside by pulling it simultaneously from both sides of the strip and at the same time pressing and levelling the surface of the felt after removing the foil.

NEXLER Stick bituminous felt can also be mechanically fixed together with or without thermal insulation to concrete, wood or sheet metal substrates. In that case the bituminous felt is fixed with mechanical connectors at the edge of the strip and then thermally activated at the overlaps. Maintain a bituminous felt overlap min. 8 cm wide along the length of the felt strip and an overlap min. 12 cm wide at the joint perpendicular to the length of the felt strip. The adhesive strength of the self-adhesive surface is optimal at ambient temperatures above 10°C. The best self-adhesive effect is achieved when welding the next layer of felt.

When carrying out vertical and horizontal detail work, the undersurface of the felt should be additionally heated to increase the adhesive strength. In areas that were folded vertically - cover with top-layer weldable bituminous felt in one working cycle. Details of substrate preparation and bituminous felt fixing are described in NEXLER Insulation Systems.

▪ CONTROL OF PERFORMANCE

During acceptance, the following should be checked:

- correctness of bonding of overlaps,
- adhesion of the bituminous felt to the substrate,
- correctness of detail work.

WARRANTY

The manufacturer NEXLER sp. z o.o. provides the direct purchaser of **NEXLER Stick** bituminous felt:

- a material warranty of 12 years.

Details of the guarantee provided to the purchaser are contained in the guarantee card.

TOOLS AND TOOL CLEANING

Heat gun or hot air welding machine/small burner, bituminous felt uncoiler.

STORAGE AND TRANSPORT

The rolls of **NEXLER Stick** bituminous felt are protected with packing tapes before unrolling. Each roll has a label with the required data on it. The rolls are placed vertically on wooden industrial pallets and foiled.

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.

NOTES

Works should be carried out in accordance with technical conditions, manufacturer's instructions, health and safety standards and regulations.

Before applying the bituminous felt, make sure that the next roll to be unrolled does not differ in the shade of the sprinkles. The sprinkle is a natural raw material and may vary in shade.

IMPORTANT INFORMATION

The Environmental Product Declaration (EPD) for the company NEXLER, covering both top layer and underlayer bituminous felt, was developed by the Building Research Institute (ITB) in accordance with international standards ISO 14025 and EN 15804. 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 authorized 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 authorized to provide technical information only and solely 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.

CONTACT DETAILS

NEXLER sp. z o.o.

Łużycka 6, 81-537 Gdynia, Poland

tel.: +48 58 712 94 44

www.nexler.com

e-mail: dt@nexler.com

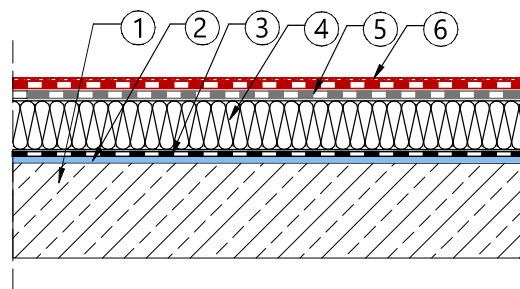
ISSUE DATE

This Technical Data Sheet was issued on 05.08.2025.

Once we have issued a new Technical Data Sheet, this one is no longer valid.

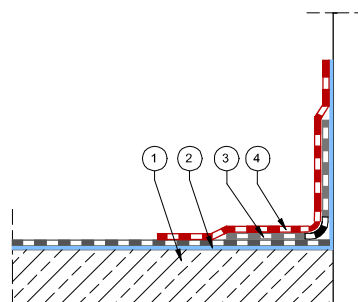
DETAILS

Covering on concrete substrate with thermal insulation



1. Concrete substrate constructed with a slope
2. Bituminous primer NEXLER BITFLEX Primer
3. Vapour barrier NEXLER MEDIUM PYE G200 S40
4. EPS boards glued with NEXLER STYROPUR Roof adhesive
5. Self-adhesive underlayer bituminous felt **NEXLER Stick**
6. Top layer bituminous felt NEXLER PPREMIUM PYE PV250 S53H

Detail work on circular passages through the ceiling



1. Concrete substrate with pipe extending above the surface
2. Bituminous primer NEXLER BITFLEX Primer
3. Self-adhesive underlayer bituminous felt **NEXLER Stick** for detail work
4. Weldable top layer bituminous felt NEXLER PREMIUM PYE PV250 S53H for detail work