



NEXLER Alu Aquastoper SP

Self-adhesive vapour barrier bituminous felt

TECHNICAL DATA

Type of reinforcement	glass veil and aluminum foil
Top coating	fine-grained topping
Low temperature flexibility	≤ -20°C
Width	≥ 1 m
Straightforwardness	≤ 20 mm per 10 m roll length
Thickness	(1,5 ± 0,2) mm
Resistance to external fire exposure* *applies to the examined layer systems	B _{roof} (t ₁), B _{roof} (t ₂)
Reaction to fire	class E
Watertightness: waterproof at a pressure	2 kPa (method A) 60 kPa (method B)
Maximum tensile force: - longitudinal extension - transversal extension	500 ± 200 N/50 mm (4 ± 2) % 300 ± 150 N/50 mm (4 ± 2) %
Resistance to impact	≥ 300 mm (method A)
Resistance to tearing: - longitudinal - transversal	150 ± 100 N 150 ± 100 N
Resistance of the joint: - shear strength • longitudinal joint • transversal joint	300 ± 150 N/50 mm 500 ± 200 N/50 mm
Permeation of water vapor	2,0E+12 m ² ·Pa·s/kg ± 25%
Diffusion resistance factor Sd	approx. 400 m
Durability: - durability after artificial ageing, watertightness - durability against chemical - after artificial ageing, vapour diffusion - chemicals resistance	≥ 2 kPa (method A) acc. to annex A of standard EN 14967 2,0E+12 m ² ·Pa·s/kg ± 50% acc. to annex A of standard EN 13970
Compliance with the standard	EN 14967:2006; EN 13970:2004; EN 13970:2004/A1:2006

PROPERTIES

- Excellent vapour barrier properties
- Effective protection against radon radiation
- Double SBS modification
- Self-adhesive
- Composite reinforcement made of aluminium



15-YEAR GUARANTEE



RADON-RESISTANT



2xSBS



EASY IN APPLICATION

APPLICATION

- Vapour barrier for roofs and terraces under the thermal insulation layer
- Horizontal damp-proof insulation
- Radon barrier in underground parts of buildings, under floors



VAPOUR BARRIER



FOR FOUNDATIONS



SELF-ADHESIVE

PACKAGING

Poland

- Roll length: 20 m
- Quantity per pallet: 20 rolls (400 m²)

Export

- Roll length: 20 m
- Quantity per pallet: 20 rolls (400 m²)

METHOD OF USE

CONDITIONS OF USE

Making an insulation using **NEXLER Alu Aquastoper SP** 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 in order to achieve proper adhesive properties. 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 bonding **NEXLER Alu Aquastoper SP** bituminous felt is recommended to prime concrete substrate with solvent-based bitumen primers for example NEXLER Penetrator G7, or water-based bitumen products for example 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 Alu Aquastoper SP bituminous felt should be fixed by bonding, using the self-adhesive properties, to a primed concrete substrate. Surfaces to which the felt will be bonded must be dry. Unroll and lay the roll in the area of the intended application, then remove the foil on the underside.

Press the bituminous felt onto the substrate, making sure it is pressed down over the entire surface, pay particular attention when working in the area of overlaps. Maintain overlaps min. 8 cm wide along the length of the felt strip and overlaps min. 12 cm wide at the joint perpendicular to the length of the felt strip.

CONTROL OF PERFORMANCE

During acceptance, the following should be checked:

- correct bonding of overlaps,
- adhesion of the bituminous felt to the substrate.

WARRANTY

The manufacturer NEXLER sp. z o.o. provides the direct purchaser of **NEXLER Alu Aquastoper SP**:

- a material guarantee of 15 years.

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

TOOLS AND TOOL CLEANING

If installed at reduced ambient temperatures – a gas burner or hot air heater.

STORAGE AND TRANSPORT

The rolls of **NEXLER Alu Aquastoper SP** 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 top layer 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

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.

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

CONTACT DETAILS

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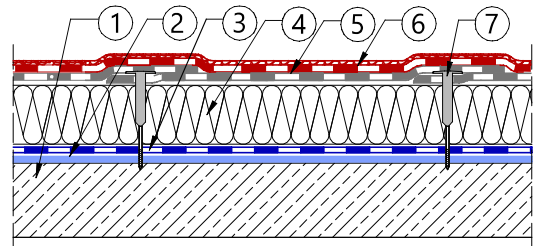
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DETAILS

Covering for a flat roof with a concrete substrate



1. Reinforced concrete floor
2. Bituminous primer NEXLER BITFLEX Primer
3. Vapour barrier **NEXLER Alu Aqastoper SP**
4. Mineral wool
5. Underlayer bituminous felt NEXLER PREMIUM PYE PV200 S40
6. Top layer bituminous felt NEXLER PREMIUM PYE PV250 S53H
7. Telescopic connector