



NEXLER Top S42 SP *Nox Cut technology top self-adhesive bituminous felt*

TECHNICAL DATA

Type of reinforcement	non-woven polyester reinforced with glass fibers
Top finishing	coarse grained
Low temperature flexibility	≤ -20°C
Width	≥ 0,99 m
Straightforwardness	≤ 10 mm per 5 m roll length
Thickness	(4,2 ± 0,2) mm
Resistance to external fire exposure* *applies to the examined layer systems	B _{roof} (t ₁)
Reaction to fire	class E
Watertightness: waterproof at a pressure	≥ 10 kPa (method A)
Maximum tensile force: - longitudinal extension - transversal extension	1000 ± 250 N/50 mm (50 ± 15) % 750 ± 250 N/50 mm (50 ± 15) %
Resistance to root penetration	NPD
Resistance to static loading	≥ 10 kPa (method A)
Resistance to impact	≥ 800 mm (method A)
Resistance to tearing: - longitudinal - transversal	350 ± 150 N 400 ± 150 N
Resistance of the joint : - shear strength • longitudinal joint • transversal joint - tear off strength • longitudinal joint • transversal joint	750 ± 250 N/50 mm 1000 ± 300 N/50 mm 150 ± 100 N/50 mm 150 ± 100 N/50 mm
Dimensional stability	≤ 0,3%
Durability: flow resistance at elevated temperature	(100 ± 10)°C
Reference document(s)	EN 13707:2004+A2:2009

PROPERTIES

- Removes toxic nitrogen oxides from the air
- Double SBS modification
- Durable and puncture-resistant
- Excellent self-adhesive properties
- Does not require the use of a burner



22-YEARS SYSTEM WARRANTY



2xSBS



NOx Cut

APPLICATION

- Top layer in multi-layer roof coverings and terraces
- Single-layer renovation of old bitumen coverings
- Single-layer insulation of pitched roofs and uninsulated balconies



SELF-ADHESIVE



RENOVATION OF BITUMEN COVERINGS



FOR ROOFS, TERRACES AND BALCONIES

PACKAGING

Poland

- Roll length: 5 m
- Quantity per pallet:
30 rolls (150 m²)

Export

- Roll length: 5 m
- Quantity per pallet:
30 rolls (150 m²)

METHOD OF USE

▪ CONDITIONS OF USE

Making an insulation using **NEXLER Top S42 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 optimum installation temperature of self-adhesive bituminous felt is in the range of $15^{\circ}\text{C} \div 28^{\circ}\text{C}$. Installation at lower ambient temperatures, above 5°C , is permissible, provided that the entire underside of the bituminous felt is heated using air heaters or a small burner to obtain self-adhesive properties of the felt. Full adhesion to the substrate depends on the temperature and usually occurs 2-3 days after installation.

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 $\pm 5\text{ mm}$),
- 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),
- roof slope inclination min. 1%.

Before installing **NEXLER Top S42 SP** bituminous felt on old bituminous covering, concrete or OSB boards, it is recommended to prime the substrate 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 $+18^{\circ}\text{C}$ for 24 hours before installation.

▪ APPLICATION METHOD

NEXLER Top S42 SP bituminous felt should be attached to the substrate by gluing using the self-adhesive properties of the bituminous felt. On small sloping and pitched roofs, the bituminous felt can be installed in one layer on an impregnated OSB boards or

old bituminous felt covering, while on unimpregnated planks, the bituminous felt should be installed using additional mechanical fastening.

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 Top S42 SP bituminous felt can be mechanically attached to a concrete or wooden substrate. Application on concrete substrate should be carried out after the priming agent has completely dried (or cured). In that case the bituminous felt is fixed with mechanical connectors at the edge of the strip and then thermally activated at the overlaps. The longitudinal overlap of the bituminous felt is connected using self-adhesive properties of the felt after removing the anti-adhesive spacer strip and should be at least 8 cm wide. Overlaps on the transverse joint and other overlaps with grit on the lower layer of the roofing felt should be at least 12 cm wide. They should be made using a heater or a small burner by melting the grit on the bottom layer of the overlap or levelling the grit surface using a repair and sealing compound, e.g. NEXLER Arbolex Aqua Stop. In the case of self-adhesive bituminous felts, it is not necessary for the melted bitumen to flow out onto the overlaps. When making elevations on vertical surfaces, additionally heat the underside of the bituminous felt using an air heater or a small burner. In places where the bituminous felt transitions from horizontal to vertical surface, use a polystyrene or hard mineral wool wedge. The upper edge of the bituminous felt on vertical elements must be fixed with a pressing strip and sealed with a roofing sealant, e.g. NEXLER Bitumen Roofing Sealant. Do not leave the bituminous felt edges unprotected against water. Seal the unprotected edges on the side of the water inflow using a roofing repair and sealing compound, e.g. NEXLER Arbolex Aqua Stop. This applies to construction work that cannot be completed within one day.

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 Top S42 SP** bituminous felt:

- a 22-year system warranty for a two-layer covering and the use of NEXLER sp. z o.o. priming agents for substrate priming,
- a standard material warranty of 12 years for a two-layer covering,
- a standard material warranty of 10 years on an old bituminous felt covering.

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 Top S42 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.

CONTACT DETAILS

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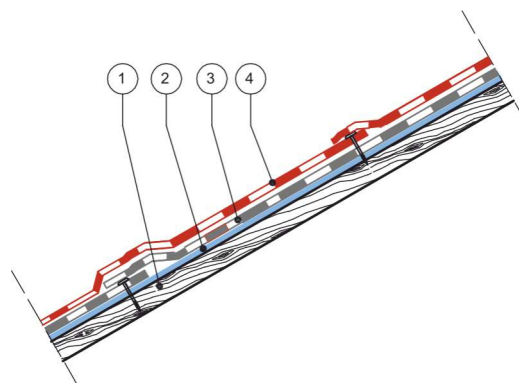
ISSUE DATE

This Technical Data Sheet was issued on 10.03.2025.

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

DETAILS

Covering on a substrate made of OSB boards



1. Substrate made of OSB boards with a slope
2. Bituminous primer NEXLER BITFLEX Primer
3. Self-adhesive underlayer bituminous felt NEXLER Plan PYE G200 S30 SP
4. Self-adhesive top layer bituminous felt **NEXLER Top S42 SP**