NEXLER Styrbit 2000 K

Adhesive for polystyrene and waterproofing

TECHNICAL DATA

Number of layers: - for bonding felt - for waterproof coatings	 1 from 2 to 4
Thickness of a single layer	0,5 - 1,3 mm
Water content	no more than 0,5% (*m/m*)
Flowability at temperature (60 ± 2)°C and inclination of 45° after 5 hours **- roofing felt stuck with asphalt binder**	unacceptable displace of the roofing felt and leakage of the binder
Flexibility when bending on a ø 30 mm roller at temperature -5°C	no scratches or cracks
Pensky-Martens flash point	no less than 31 - 40°C
Adhesive strength of the roofing felt to roofing felt	no less than 150 N
Drying time: - waterproofing - EPS, XPS board bonding	 approx. 24 h 14 days
Consumption: - waterproofing - EPS, XPS board bonding	 0,6 - 1,2 kg/m² 0,8 - 2,0 kg/m²
Application temperature	from 5°C to +35°C
Reference document(s)	PN-B-24620:1998; PN-B-24620:1998/Az1:2004

PROPERTIES

- Safe in contact with EPS and XPS
- Modified with SBS rubber
- Very good adhesion to the substrate
- Can be applies on slightly damp substrates
- Resistant to aggressive substances contained in the soil
- Can be used all year round

WIDE APPLICATION TEMPERATURE RANGE | GOOD ADHESION | SBS MODIFIED | SAFE FOR POLYSTYRENE

APPLICATION

- Bonding of sandwich layers (EPS / roofing felt), styrofoam boards, mineral wool and other thermal insulation materials for concrete, bituminous (including felt) substrates, trapezoidal sheet metal etc.
- Ability to bond roofing felt to roofing felt
- Waterproofing of underground and ground-level elements of buildings

FOR FOUNDATIONS AND ROOFS | NOTHED TROWEL

PACKAGING

Poland

- Packaging: 20 kg
- Quantity per pallet:
  - 20 kg - 33 pcs.

Export

- Packaging: 10 kg, 20 kg
- Quantity per pallet:
  - 10 kg - 60 pcs.
  - 20 kg - 33 pcs.

METHOD OF APPLICATION

CONDITIONS OF USE

The product is intended for outdoor use.

The temperature of the substrate and air during the works should be from +5°C to +35°C.

The product in the winter version can be transported and stored at a temperature not lower than -5°C and applied at the ambient and substrate temperature not lower than 0°C. This temperature must not drop below zero both during application and during the drying of the product.

It is recommended to work at positive temperatures. It is allowed to use the product at negative temperatures, provided that the substrate is dry and free of ice, frost.

During the works, very good ventilation of the work area should be ensured.

SUBSTRATE PREPARATION

A substrate to **Styrbit 2000 K** compound can be a mineral and bituminous substrate (including felt).

The substrate intended for product application should be continuous, bonded, seasoned and load-bearing. The substrate should be cleaned mechanically; dust, any loose layers, sharp protruding edges and impurities that worsen adhesion should be removed. The surface should be cleaned mechanically, dust, tarnish, any loose pieces and layers, sharp protruding edges and impurities that worsen adhesion should be removed. If there are cavities in the substrate, honeycombing, gravel pockets and other unevenness, the substrate should be levelled and the cavities should be filled. If levelling of mineral substrates is required, use polymer-cement mortars from the NEXLER RENOBUD R line. Prepared substrate, intended to be insulated with materials sensitive to organic solvents, should be primed a solution NEXLER BITFLEX Primer, and otherwise the substrate should be primes with NEXLER Penetrator G7.

A felt substrate should be repaired, levelled, any impurities should be removed from the surface before the application of thermal insulation. Blisters should be cut and glued with **Styrbit 2000 K**, tears and cavities should be filled with NEXLER Arbolex Aqua Stop roofing putty. Old roofing felt coatings should be primed with NEXLER BITFLEX Primer. When bonding thermal insulation for sheet metal, the surface should be cleaned, loose maintenance or decorative layers and traces of corrosion should be removed and the substrate should be protected with a anti-corrosive coating.

<u>Walls made of small-gauge elements in buildings with a basements:</u>

On jointed masonry (e.g. concrete blocks), a levelling plaster should be applied. Prime the prepared substrate with a NEXLER BITFLEX Primer solution.

PRODUCT CONTROL

Check the production date on the packaging before use. The product should not be incorporated beyond its shelf life. The product should not be objectionable (e.g. contain lumps, fibres, discolouration) after opening. After mixing, the compound should be homogeneous and free of lumps and clumps resulting from under-mixing. Do not use a product that bears signs of freezing. The correct consistency of the product is not dry or rubbery. When properly mixed, the product forms a homogeneous coating when spread over the surface with a tool.

PRODUCT PREPARATION

Styrbit 2000 K is a ready-to-use product. A solvent may be released on the surface of the stored product. This does not indicate a defect or poor quality of the product. Before use, the product should be mixed until a homogeneous mass is obtained. If stored at low temperatures, the product should be placed in a warm room for a minimum of 24 hours before use. Do not add any other substances, especially solvents.

APPLICATION METHOD

Bonding of polystyrene and laminated polystyrene boards (EPS/roofing felt) to substrates: Styrbit 2000 K should be applied to a surface in spots (10 - 12 spots per 0,5 m² board; 16 spots per 1 m² board) or in strips with a width of approx. 8 - 10 cm, with a notched trowel, keeping 15 - 20 cm spaces between them, in such a way that the joints of the boards are bonded to the surface from underneath. The polystyrene or EPS/roofing felt board should be bonded by pressing it to a substrate in a circular motion.

Bonding mineral wool: Prime the mineral wool on the bonded side with NEXLER BITFLEX Primer. After the primer has dried, apply **Styrbit 2000 K** to the substrate with a notched trowel (notch pattern 4 x 4 mm), on the whole surface or in strips with a width of approx. 8 - 10 cm keeping 15 - 20 cm spaces between them, in such a way that the joints of the boards are bonded to the surface from underneath. Wait approximately 15 - 20 minutes and bond the board by pressing it to the substrate in a circular motion.

Bonding asphalt felt to substrates and bonding asphalt felt together: Apply **Styrbit 2000 K** to the width of the bonded felt layer, wait 15 to 20 minutes and spread the applied felt, pressing it firmly to the adhesive compound. Do not forget the 10 cm overlap of felt elements. Brush the top of the joints with **Styrbit 2000 K**. The product can be spread on a surface with a notched trowel with notch spacing of 4 x 4 mm.

Waterproofing of underground parts of buildings: Styrbit 2000 K should be applied on a previously primed substrate in a minimum of two coatings with a steel float. Uniform thickness (approx. 1 mm) of the applied layer should be maintained. Following layers should be applied after the previous ones are dries, perpendicularly. This allows to avoid errors and inaccuracies in application. Do not backfill the excavation before complete bonding of the coating. The coating should be protected against mechanical damage, e.g. with polystyrene boards.

- **CONTROL OF PERFORMANCE**

Thickness of a layer should be controlled by material consumption control on a dedicated surface. In addition, it is recommended to measure the thickness of the freshly applied sealing layer with special inspection plates, the measurement point should be filled with immediately.

Properly made layer, after drying, should be a uniform, clean coating, flakes and other defects, the coating should adhere closely to the primed substrate.

TOOLS AND TOOL CLEANING

Low-speed stirrer, notched steel trowel, trowel.

Wash tools in organic solvents. If the product dries, leave it in the solvent until the dirt dissolves.

STORAGE AND TRANSPORT

the shelf life of the product is 12 months from production date specified on the packaging. Store in dry and cool rooms at temperature above +5°C in tightly sealed, original packaging. The product in the winter version can be transported and stored at a temperature not lower than -5°C.

NOTES

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

For information on how to deal with symptoms of disease, allergies or irritation of the skin or eyes, please refer to the Safety Data Sheet (www.nexler.com).

After completing the work, the remaining content of the product and container should be handed over to authorized companies.

GENERAL RECOMMENDATIONS

Technical data and information on the method of use are given for a temperature of 23°C ± 2°C and a relative air humidity of 55%. In other conditions, the setting (drying) time may change significantly.

The consumption of the product given in this sheet depends on the preparation of the substrate.

Styrbit 2000 K is mainly recommended for bonding thermal insulation on flat surfaces or surfaces with a small inclination, as well as during periods of unfavourable weather conditions.

Do not use for tar paper, felt on aluminium tape and bonding felt to polystyrene (e.g. EPS/roofing felt production).

SAFETY INFORMATION

Flammable liquid and vapour. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep cool. Dispose of contents/container to according to the instructions of the manufacturer or person authorized to dispose of waste.

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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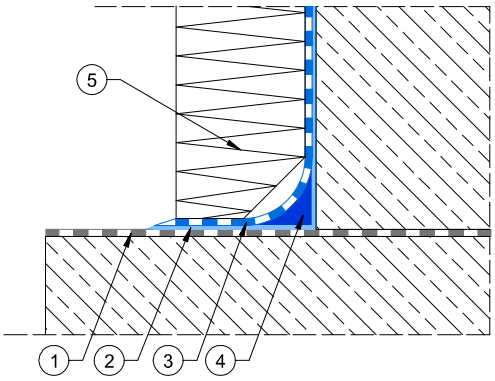
ISSUE DATE

This Technical Data Sheet was issued on 05.02.2025.

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

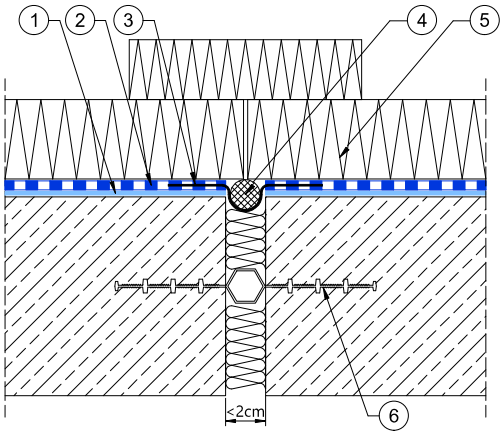
DETAILS

Detail of a footing and foundation wall connection - waterproofing



1. Horizontal insulation from roofing felt
2. Priming layer of NEXLER BITFLEX Primer
3. **NEXLER Styrbit 2000 K** waterproofing
4. A facet made of **NEXLER Styrbit 2000 K** mass with a radius of 2 cm
5. EPS or XPS polystyrene boards, bonded by **NEXLER Styrbit 2000 K**

Detail of an expansion joint - waterproofing



1. Priming layer of NEXLER BITFLEX Primer
2. **NEXLER Styrbit 2000 K** waterproofing
3. NEXLER Sealing Tape
4. NEXLER Backer Rod
5. EPS or XPS polystyrene boards, bonded by **NEXLER Styrbit 2000 K**
6. Sealing tapes