NEXLER Styrbit 2000

Dispersive asphalt-rubber compound

TECHNICAL DATA

Number of layer	from 2 to 4
Dilution capacity of mass in water	no less than 200% (*V/V*)
Vertical flowability of the coating, **- within 5 h** **- at temperature 100°C**	does not flow
Flexibility of the coating at temperature -10°C, when bending on a roller with a diameter of 30 mm	no scratches or cracks
Coat formation time	no later than 6 h
Permeability of coating at 1 000 mm water column in 48 h	unacceptable
Drying time: - waterproofing - EPS, XPS board bonding	 approx. 24 h 10 - 15 days
Consumption: - damp proofing - non-pressure water waterproofing - EPS, XPS board bonding	 approx. 1,5 kg/m²/mm approx. 1,5 kg/m² approx. 3,0 kg/m² 1,2 - 2,0 kg/m²
Application temperature	from +5°C to +30°C
Reference document(s)	PN-B-24000:1997

PROPERTIES

- Safe in contact with EPS, XPS
- Has a good adhesion to the substrate
- Resistant to aggressive substances contained in the soil/primer
- Creates a flexible coating
- Thixotropic
- Applied to dry and damp substrates

APPLICATION

- Damp-proof insulation and waterproofing of underground elements of buildings and structures
- Bonding of EPS and XPS polystyrene boards

PACKAGING

Poland

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

Export

- Packaging: 5 kg, 10 kg, 20 kg
- Quantity per pallet:
  - 5 kg - 80 pcs.
  - 10 kg - 60 pcs.
  - 20 kg - 33 pcs.

METHOD OF USE

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 +30°C. Do not allow dirt (dust) on the primed surface.

SUBSTRATE PREPARATION

The substrate for **Styrbit 2000** can include mineral surfaces (such as concrete, cement plasters, cement-lime plasters, concrete blocks, and ceramic bricks), old and dispersion bituminous coatings, as well as bituminous felt.

The substrate intended for applied product must be bound, seasoned, load-bearing, becontinuous, dry or slightly damp. The substrate should be cleaned mechanically; dust, any loose 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 repaired, the cavities should be filled. The substrate on which the product will be used must be continuous. Partitions made of small size elements should have an equal face, a full joint. If this condition is not met, a levelling plaster should be made. Any external right angles should be bevelled, and internal angles rounded off - make facets with NEXLER RENOBUD R 103 mortar (on mineral substrates) or KMB compound on asphalt substrates, felt. Prepared substrate should be primed with NEXLER BITFLEX Primer. Before applying the compound. As part of the preparation of the old bituminous substrate any impurities, loose particles and elements of the previous coating should be removed from the surface. Fill any cavities in the substrate, repair any other elements connected to the waterproof coating (e.g. service penetrations). In order to do that, use NEXLER Arbolex Aqua Stop roofing putty.

Walls made of small-gauge elements in buildings with a basements:
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 label before use. The product should not be incorporated beyond its shelf life. The product should not be objectionable (e.g. have 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 frostbite. 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 is a ready-to-use product. Before use, the product should be mixed until a homogeneous mass is obtained. A water may be released on the surface of the stored product. This does not indicate a defect or poor quality of the product.

APPLICATION METHOD

Waterproofing of underground parts of buildings: Styrbit 2000 should be applied on a previously primed substrate in a minimum of two coatings with a steel float or a spraying method. Following layers should be applied after the previous ones are dries, perpendicularly. Service penetrations and areas exposed to uncontrolled cracking should be reinforced with a sealing tape. Do not backfill the excavation before complete bonding of the coating. The coating should be protected against mechanical damage, e.g. with polystyrene boards. During binding, the freshly applied layer should be protected against: precipitation and strong sunlight.

Bonding of EPS and XPS polystyrene boards to foundation walls: Start bonding from the bottom of the excavation. Thermal insulation boards are recommended to be supported on the footing offset and, if this is not possible, to be supported during bonding. Hydrophobized insulation boards should be sanded before bonding. Apply **Styrbit 2000** compound in spots on polystyrene boards (10 - 12 spots per 0.5 m² board). Lay the boards in a circular motion on the surface, pressing against the substrate. Do not close the space between the polystyrene and the foundation wall tightly. Only if there is a chance of rain, it is recommended to protect the gap between the polystyrene and the foundation wall against rainwater ingress, until the adhesive fully bonds. Bonding time is dependant on weather conditions. Do not use for bonding of polystyrene on horizontal surfaces or surfaces with small inclination.

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 (coating thickness meter), the measurement point should be filled with putty immediately.

Properly made compound after drying, should be a uniform, clean coating, without blisters, flakes and other defects. The coating should adhere closely to the primed substrate.

TOOLS AND TOOL CLEANING

Low-speed stirrer, steel float, trowel, spraying device.

Wash tools with water during and after work and leave to dry. If the product dries, clean with organic solvents or mechanically. Clean the spray equipment immediately after work, according to the equipment manufacturer's recommendations.

STORAGE AND TRANSPORT

The shelf life of the product is 12 months from production date specified on packaging. Store in dry and cool rooms, at temperature above +5°C, in tightly sealed, original packaging. Do not allow the product to freeze or long exposure to high temperatures or sunlight during storage and transport.

NOTES

Works should be carried out in accordance with technical conditions, 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 works are finished, hand over the remaining content of the product and container 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.

In average daily temperatures below 10°C, the insulated surfaces should be covered with a tunnel made of foil or other materials and enforce warm air circulation until full bonding of the coating.

Do not use the product on tar-based surfaces or in rooms intended for human occupancy.

SAFETY INFORMATION

May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wash hands and exposed parts of the body thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. 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

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

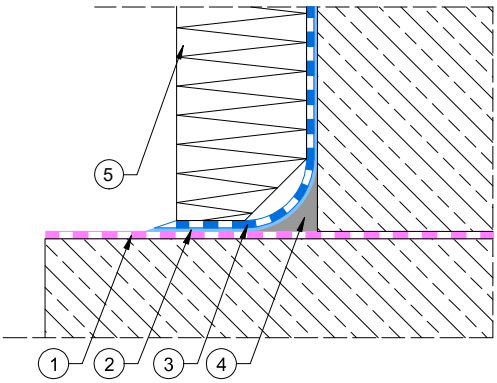
ISSUE DATE

This Technical Data Sheet was issued on 21.03.2025.

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

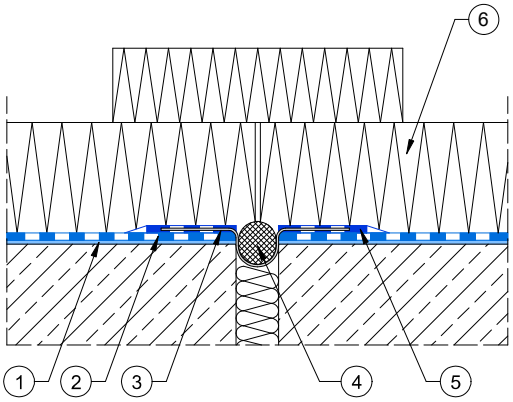
DETAILS

Detail of a footing and foundation wall connection-damp-proof waterproofing



1. Horizontal insulation, e.g. NEXLER AQUAMINERAL 1K Ultra
2. Priming layer of **NEXLER BITFLEX Primer**
3. **NEXLER Styrbit 2000** damp-proof insulation
4. A facet made of NEXLER RENOBUD R 103 mortar with a radius of 5 cm or made of NEXLER BITFLEX 1KP mass with a radius of 2 cm
5. EPS or XPS polystyrene boards bonded by **NEXLER Styrbit 2000**

Detail of an vertical expansion joint of the foundation wall



1. Priming layer of NEXLER BITFLEX Primer
2. **NEXLER Styrbit 2000** damp-proof insulation
3. **NEXLER Styrbit 2000** sealing mass
4. NEXLER Sealing Tape
5. NEXLER Backer Rod
6. EPS or XPS polystyrene boards bonded by **NEXLER Styrbit 2000**