



NEXLER EPOLIS X9

Two-component epoxy-bitumen waterproofing

TECHNICAL DATA

Composition: - component A	bitumen, epoxy resin, white spirit, filler, additives
- component B	hardener
Colour	black
Density	1,1 g/cm ³
Mixing ratio	100 : 14 by weight (component A : component B)
Number of layers	2
Recommended coating thickness	300 µm
Open time	1 h
Drying time	approx. 6 h
Time interval between applying successive layers	approx. 24 h
Full curing time	7 days
Resistance to rain	after approx. 6 h
Workability - allowable increase in viscosity at this time	at least 1 hour no more than 100%
Sag	at least 10 degree
Coating drying time at temperature (20 ± 2) °C and relative air humidity (55 ± 5) % - Grade 1 - Grade 3 - Grade 6	no more than - 4 h - 8 h - 24 h
Coating resistance to pulling off from the substrate, by a single blade device	not more than 0 degree
Coat resistance in 144 h salt water test - uniform damage to the coat is acceptable	not more than class 3
Coat resistance in 144 h salt spray test - uniform damage to the coat is acceptable	not more than class 3
Durability	at least 6 months from the production date

Flash point	no less than 21°C
Consumption: - priming - top layer application	approx. 0,3 kg/m ² approx. 0,6 kg/m ²
Application temperature	from +5°C to +30°C
Reference document(s)	PN-C-81916:2001

PROPERTIES

- Provides high adhesion to the substrate
- Forms a coating resistant to mechanical loads (abrasion, impact)
Resistant to sewage, acidic or alkaline substances, water, and both
- marine and industrial atmospheres
Free of coal tar, biutimnous substances with benzopyrene or
- aromatic amine hardeners



APPLICATION

- Protection of concrete structures and steel elements in industry and construction exposed to aggressive environments classified in exposure classes XA1, XA2 and XA3
- Protection of ballast and sewage tanks in e.g. municipal or industrial sewage treatment plants
- Protection of concrete structures in inland and marine hydraulic engineering projects
- Priming of steel and concrete structures operated in sea water, sweet water, industrial-grade water and corrosive environment



PACKAGING

Poland

- Packaging:
20 kg (component A - 17,5 kg
+ component B - 2,5 kg)
- Quantity per pallet:
- 20 kg - 22 sets (440 kg)

Export

- Packaging:
(component A - 17,5 kg
+ component B - 2,5 kg)
- Quantity per pallet:
- 20 kg - 22 sets (440 kg)

METHOD OF USE

CONDITIONS OF USE

The temperature of the substrate and air during the works should be from +5°C to +30°C. The temperature of the substrate must always be at least 3°C above the dew point temperature until the material is fully cured. Works should not be carried out during precipitation and strong sunlight.

SUBSTRATE PREPARATION

The steel substrate must be cleaned to at least cleanliness grade Sa 2 according to PN-ISO 8501-1. The substrate must be dry, free of salt, grease, dust and foreign dirt.

The concrete substrate must be seasoned (min. 28 days after pouring), of sufficient strength, dry or slightly damp only, free from cracks, protrusions, crazing and bleed water. Clean mechanically by sanding or wire brushing by hand. The substrate must be free of grease, dust, grit and inclusions.

The substrate must be primed before applying the proper coating with a solution of **NEXLER EPOLIS X9** in a lacquer solvent.

PRODUCT CONTROL

Check the production date on the packaging before use. The product should not be incorporated beyond its shelf life. The product, once opened, should not be objectionable and should be free of any mechanical contaminations. The product can break into phases, which is reversible and not detrimental to product quality. If properly stored, the hardener (component B) is clear after opening the container. After mixing, the compound should be homogeneous and free of lumps resulting from under-mixing.

PRODUCT PREPARATION

NEXLER EPOLIS X9 is supplied in two containers per kit, with both components in a quantity corresponding to the mixing ratio of 100 : 14 parts by weight of component A to component B, respectively. Stir component A thoroughly and add all of component B. Mix both ingredients with a low-speed stirrer (300 - 400 rotations per minute) for approximately 3 minutes to avoid too high air entrainment. While mixing, scrape the material from the sides and bottom of the vessel with the mixer to ensure thorough distribution of the hardener.

For priming, dilute the prepared material with lacquer solvent at a weight ratio of 3 : 1 (**EPOLIS X9** : solvent).

APPLICATION METHOD

NEXLER EPOLIS X9 can be applied with a brush, a roller, or by airless spraying device. Before applying the product, an application test is recommended under field conditions to ensure that the chosen application technique provides the intended result. The coating is applied to a properly prepared and primed substrate. The prepared material must be used within 1 hour after mixing the components. Apply the successive layer after 24 hours.

CONTROL OF PERFORMANCE

When fresh, check the consumption of the material per unit and/or dedicated area on an ongoing basis.

TOOLS AND TOOL CLEANING

Low-speed stirrer, brush, roller, airless spraying device.

The following parameters are recommended for spray application: minimum gun pressure 15 MPa, minimum material feed hose I.D. 8 mm, nozzle size 0,56 to 0,66 mm, spray angle 40° to 80°.

Clean the tools with petrol solvents. Once the product cures, it can be removed mechanically.

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 must be protected from heat and direct sunlight.

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 the container to authorised 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.

SAFETY INFORMATION

Component A: Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Collect spillage. Dispose of contents/container to according to the instructions of the manufacturer or person authorized to dispose of waste.

Component B: Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. 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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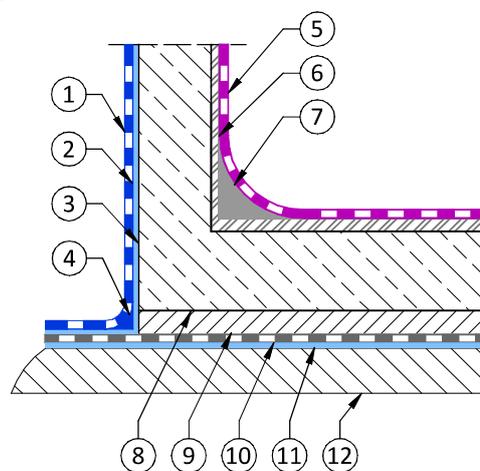
ISSUE DATE

This Technical Data Sheet was issued on 29.01.2026.

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

DETAILS

Sealing of a bottom slab to tank wall joint



1. Tank wall external waterproofing made with a PMBC-type compound, e.g., NEXLER BITFLEX 1KP
2. Bitumen dispersion primer, e.g. NEXLER BITFLEX Primer diluted with water
3. Reinforced concrete tank wall
4. A facet made of bituminous mass, e.g. NEXLER BITFLEX 1KP with an approx. radius of 2 cm
5. Tank wall internal waterproofing made with an epoxy-bitumen compound **NEXLER EPOLIS X9**
6. Levelling course of the tank walls made with the NEXLER RENOBUD R 103 / R 105 mortar on a bonding layer of NEXLER RENOBUD R 102
7. A facet made of NEXLER RENOBUD R 103 mortar
8. Tank bottom slab
9. Protective concrete coat
10. Waterproofing made of weldable bituminous felt under the bottom slab
11. Bitumen dispersion primer, e.g. NEXLER BITFLEX Primer diluted with water
12. Concrete underlay