



NEXLER EPOLIS WE 200

Epoxy water dispersion paint

TECHNICAL DATA

Composition	epoxy resin, water, hardener, filler, colour, additives
Density	component A - 1,29 g/cm ³ component B - 1,14 g/cm ³
Mixing ratio	1 : 0,23 by weight (component A : component B)
Open time:	
- at +10°C	2 h
- at +20°C	30 min
- at +25°C	20 min
Time between applying successive layers:	
- at +10°C	6 h
- at +20°C	4 h
- at +25°C	2 h
Coefficient of thermal expansion	< 3000 mg
Capillary absorption and permeability to water	< 0,1 kg/m ² × h ^{0,5}
Impact resistance	Class 1
Adhesion strength by pull off test	≥ 2,0 (1,5) ^a N/mm ²
Reaction to fire	B _n -s1
Pedestrian traffic load:	
- at +10°C	after 4 days
- at +20°C	after 2 days
- at +25°C	after 1 day
Full load:	
- at +10°C	after 10 days
- at +20°C	after 7 days
- at +25°C	after 4 days
Consumption	0,2 ÷ 0,4 kg/m ² per layer
Application temperature	from +10°C to +27°C
Reference document(s)	EN 1504-2:2004

PROPERTIES

- Easy application
- Very good coverage
- Vapour-permeable
- Solvent-free and water-dilutable
- Very good adhesion to concrete
- High resistance to abrasion
- Increases the chemical resistance of substrates
- Meets high hygiene standards
- Enables obtaining a surface that is durable, aesthetically pleasing and easy to clean
- Can be used on damp substrates (with a max. moisture content of 10%)
- Hygienically certified



INCREASES THE MECHANICAL AND CHEMICAL RESISTANCE OF SUBSTRATES



ON DAMP SUBSTRATES

APPLICATION

- Securing and protecting mineral substrates (concrete, cement mortars, mineral screeds, gypsum plasters etc.)
- Renovation of epoxy resin flooring systems
- Horizontal and vertical markings on traffic routes
- In garages, car parks, warehouses, technical rooms, industrial halls
- In areas exposed to intensive mechanical loads from pedestrian traffic, forklifts and other wheeled vehicles
- In rooms exposed to permanent moisture (e.g. basements)
- For indoor and outdoor use
- For vertical and horizontal surfaces



VELOUR ROLLER



BRUSH

PACKAGING

Poland

- Packaging: 15 kg
- Quantity per pallet:
- 15 kg - 22 pcs.

Export

- Packaging: 15 kg
- Quantity per pallet:
- 15 kg - 22 pcs.

METHOD OF USE

▪ CONDITION OF USE

The work should be carried out at an ambient temperature of +10°C to +27°C, with a maximum relative humidity of 70%. Higher temperature and humidity will accelerate the setting time of the mixture. At lower temperatures, a delay in setting is to be expected, as well as a change in the consistency of the material and as a result of that an increase in consumption. The temperature of the substrate and the uncured flooring must always be at least 3°C above the dew point temperature, from the commencement of work until the material is fully cured.

The premises where the work takes place must be sectioned off, protected from unauthorised access and a safety zone must be maintained against the use of open flames, particularly before conducting welding work. During the works, very good ventilation of the work area should be ensured.

▪ SUBSTRATE PREPARATION

The concrete substrate must be made of concrete of min. C20/25 grade, with a strength of at least 1,5 MPa measured by the pull-off method. The substrate must be stable, continuous, even, bonded, seasoned, with a moisture content of max. 10%. It must be clean and free of oil, grease, cement laitance and other substances that impair adhesion. The substrates should be cleaned mechanically, dust, any loose layers and sharp protruding edges should be removed. It should be properly roughened mechanically, paying particular attention to watertight and very smooth substrates. An adherent, absorbent surface with an open pore structure should be obtained. The strength of the substrate must be adapted to the service loads. Cement plasters should be consistent with CSIV class. Before laying the coating on a weaker absorbent substrate, NEXLER EPOLIS WE 100 primer should be applied.

▪ 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. Filler may settle at the bottom of the product container, which does not constitute a defect in the product. Mix the product thoroughly before use to achieve a homogeneous colour and ensure even distribution of the ingredients. After mixing, the product should be homogeneous and free of lumps.

▪ PRODUCT PREPARATION

Components A and B are supplied in a proper mixing ratio. Mix component A in the delivery vessel in order to homogenise and evenly distribute the mineral filler and colour. Then add the total amount of ingredient B and mix with a mechanical stirrer at 300 - 600 rotations per minute for approximately 3 minutes. While

mixing, scrape the mixture from the sides and bottom of the vessel with the mixer to ensure thorough distribution of the hardener. After mixing, pour the material into the working vessel and mix again.

If partial use is assumed, the product should be prepared maintaining the weight ratio of the components (1 part component A and 0,23 of a part component B). The permissible application time of the mixed material is from 20 minutes to 2 hours depending on the ambient temperature.

▪ APPLICATION METHOD

Priming layer: Pour the mixture onto the prepared substrate and spread with a brush or a short-bristled roller, obtaining a thin, even layer. If the substrate is dry, the paint can be diluted with 5% of water for the first paint coat. If necessary, repeat the priming until a hardened surface is obtained. A porous surface or an improperly impregnated substrate will cause the formation of air blisters and cavities in the surface coating.

Subsequent layers should be applied to the primed substrate after 2 - 6 hours depending on the ambient temperature. After an interval longer than 48 hours, the primed surface must be sanded and dusted.

Coating application: Spread a thin, even coat of EPOLIS WE 200 on the primed, separated substrate using a brush or short bristle roller. Apply a minimum of two layers.

Decorative flakes can be applied to the last freshly applied layer (unbound). Such layer should be protected after 12-24 hours with a varnish, e.g. WE-300.

Apply subsequent layers after 2 - 6 hours depending on the ambient temperature. After an interval longer than 48 hours, the primed surface must be sanded and dusted.

Making an anti-slip coating: In order to create an anti-slip coating, pour the mixture, in an amount according to the declared consumption, to the primed, separated substrate, spread with a roller and even out the layer with the roller so as to spread out completely/ remove the excess of the product. Backfill the fresh, still wet paint layer completely with dried quartz aggregate of grain size 0,2 - 0,8 mm or 1,0 - 1,6 mm. The fraction of aggregate used will determine the degree of roughness of the surface. After the layer has set, sweep away the excess aggregate, sand the surface lightly and vacuum thoroughly to remove loose aggregate grains. Apply another coat of paint to the surface using a roller. Each successive layer reduces the roughness of the floor.

▪ CONTROL OF PERFORMANCE

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

When impregnating mineral substrates, changes in surface colour and uneven colouring of the substrate may occur due to varying absorbency.

The bonded coating should have a uniform texture, without bulges, air bubbles, wrinkles or cracks.

TOOLS AND TOOL CLEANING

Velour roller with short bristles, brush, slow stirrer.

Before using the roller for the first time, loose hair should be removed from the roller, e.g. by wrapping it with self-adhesive painter's tape and then peeling off the tape.

Clean tools with water immediately after use (resin must be in an unbound state). After the resin dries, clean tools mechanically.

STORAGE AND TRANSPORT

The shelf life of the product is 12 months from production date specified on the packaging. Store in dry and airy rooms, at temperature from +10°C to +25°C in tightly sealed, original packaging. Protect the product from heat and exposure to direct sunlight. The product should only be transported by covered means of transport. All flooring materials should be seasoned for at least 24 hours in the conditions in which the flooring will be made.

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 and type of substrate.

Despite the high UV resistance, the possibility of discolouration occurring due to exposure to sunlight must be taken into account. Discolouration does not affect the mechanical properties and does not constitute a defect.

Individual batches of the product may vary slightly in shade of colour. Ensure that architecturally separated substrate surfaces are coated with resin from the same production batch.

Coatings of this type are "sensitive" products and must be handled very carefully with attention to all elements that may affect the quality and appearance of the coating being applied.

In systems using aggregate, use dried, fractionated quartz aggregates that have been washed and dusted.

The floor may not be opened to pedestrian traffic not earlier than after 1 - 4 days depending on the ambient temperature. An appropriate test must be carried out before entry. Full performance parameters are achieved in 4 - 10 days depending on ambient temperature.

The first washing of the floor can be carried out after full hardening, which occurs after about 14 days. Bleach-based products discolour the floor. Under no circumstances can they be used to clean resin surfaces.

SAFETY INFORMATION

Component A: 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 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 according to the instructions of the manufacturer or person authorized to dispose of waste.

Component B: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. 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. Wash hands and exposed parts of the body thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage. Dispose of contents/container 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

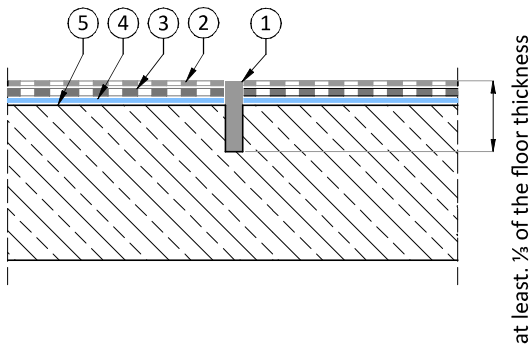
NEXLER sp. z o.o.
 Łużycka 6, 81-537 Gdynia, Poland
 tel.: +48 58 712 94 44
 www.nexler.com
 e-mail: dt@nexler.com

ISSUE DATE

This Technical Data Sheet was issued on 09.04.2025.
 Once we have issued a new Technical Data Sheet, this one is no longer valid.

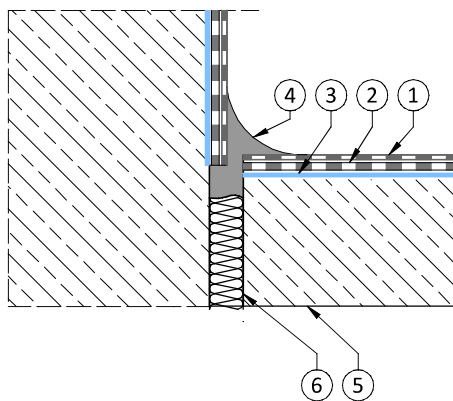
DETAILS

Floor expansion joint detail



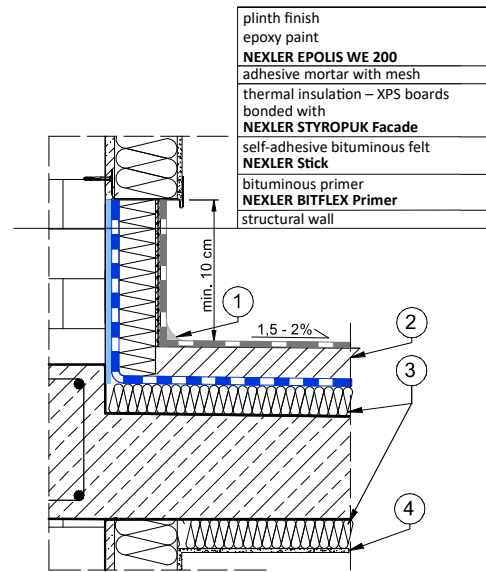
1. Filling of the expansion joint with NEXLER Full Fix
2. NEXLER EPOLIS WE 300 coating varnish
3. NEXLER EPOLIS WE 200 epoxy coating with decorative flakes
4. NEXLER EPOLIS WE 100 epoxy primer
5. Reinforced concrete substrate

Detail of expansion joint in the plinth area



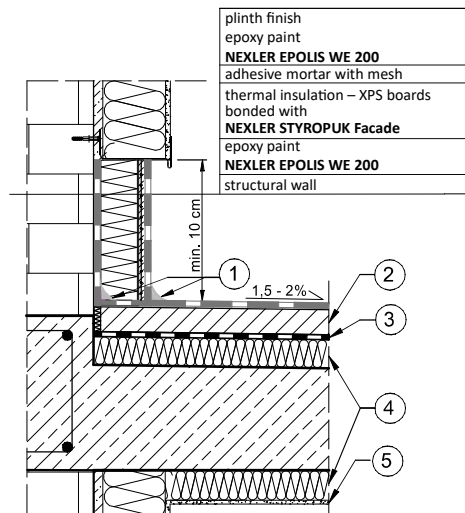
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6. Polystyrene filling

Detail of the plinth area no. 1



1. NEXLER Full Fix
2. Concrete screed
3. Thermal insulation made of XPS boards
4. Decorative plaster

Detail of the plinth area no. 2



1. NEXLER Full Fix
2. Concrete screed
3. Thermal insulation made of XPS boards
4. Decorative plaster
5. Film PE