



TECHNICAL DATA SHEET Page 1/2

Updated: July 2020

TPOX 10° is tested, free of emissions pursuant to AgBB scheme and DIBt principles. Does not contain any organic solvents, therefore odorless and free of benzyl alcohol and nonylphenol Classification as per BG-Bau (Builder's Union) GISCODE: RE 1

Thanks to the thixotropic flow properties of TpoX 10°, the resin is a thin fluid when being applied in order to properly saturate the substrate. After the application (or cross-coating using a floor roll etc.), the viscosity will increase which serves to prevent the formation of sediments in case of substrate roughness.

APPLICATION AREA

- As bonding bridge for force-fit connections of concrete, bonded screed as well as cement indoor and outdoor substrates as of +10°C
- Barrier against rising, non-pressing moisture up to max. 5 CM% in combination with FBH max. 4 CM%
- Also suitable as crack resin and EP mortar

PROPERTIES

- Concrete and screed floors are well fortified in their surface thanks to very good wetting of mineral substrates
- Very good adhesion to wood, metals, mineral building materials etc. (impurities must be removed)
- Very good wetting and adhesion properties, also on cement substrates moistened rearward

MIXING PROCESS

- Add component B (curing agent) completely to mix with component A (resin). Please make sure that component B is discharged completely. Mix thoroughly using a slow mixer and be sure to include the edge and floor of the mixing container as well. The mixing process must be carried on until the mixture is free of streaks and homogeneous. Then refill the mixed material into a clean container and mix again for approx. 1 minute.

SUBSTRATE PREPARATION

- The substrate must be prepared pursuant to the common standards and the state of technology. It must be capable of bearing loads, free of oil and grease as well as dust and separating agents
- Suitable for cement substrates with non-pressing moisture up to max. 5 CM% in combination with FBH max. 4 CM%. Please ensure that there is no visible water pooling.
- For combination structures, the min. requirement for the following static load is $\geq 1.0 \text{ N/mm}^2$ and for dynamic loads $\geq 1.5 \text{ N/mm}^2$

PROCESSING INFORMATION AS BONDING BRIDGE

- Individual components can separate in the container during storage. This leads to no loss in performance. By stirring properly or stirring in the hardener, the components mix completely again.
- Mix TpoX 10° and then apply evenly onto the pretreated substrate. It is generally recommended to immediately distribute the mixed material on the surface, otherwise the processing time is significantly increased. Install screed fresh in fresh as long as the bonding bridge is still sticky. If TpoX 10° loses adhesion, apply another fresh layer of TpoX 10°. TpoX 10° is applied using a rubber slider or pin tooth rake and floor roll in cross-coating pattern, depending on the roughness of the substrate
- Consumption depending on the substrate roughness, from 0.3 kg/m^2

PROCESSING INFORMATION AS PRIMING/BARRIER FOR MOIST SUBSTRATES TO MAX. 5%

- Individual components can separate in the container during storage. This leads to no loss in performance. By stirring properly or stirring in the hardener, the components mix completely again.
- TpoX 10° may be used as barrier coat against rising moisture (no pressing moisture) under all moisture-sensitive top surfaces, such as PVC, parquet, etc. TpoX 10° must be applied in two separate work steps. The min. time between first and second application is 6 hours, the max. is 24 hours. In order to be able to work in combination, the second priming coat must be sprinkled over the complete area with fire-dried quartz sand, for example with a grain of 0.3/0.4-0.8 mm (approx. 3 kg/m^2). After the curing process, excess sand must be swept up and vacuumed.
- Consumption depending on the substrate roughness, from 0.5 kg/m^2

PRODUCT DATA

- Form of delivery: 10 kg (6.25 kg "A" and 3.75 kg "B")
- Storage conditions: dry, cool, free of frost in original closed containers
- Density at 23°C: approx. 1.10 g/cm^3
- Mixing ratio: mass share A:B = 5:3
- Not UV-stable (will turn yellow)

TPOX 10°HIGH-
PERFORMANCE
COMPOUND RESIN

TECHNICAL DATA

- During the application and curing process, the substrate temperature must be at least +3°C above the dewpoint temperature. Protect from bedewing!
- Surface adhesion primer/moisture barrier after 7 days on fresh screed at 100% screed - concrete break
- Temperature resistance: permanently +55°C
- Air temperature: min. +10°C
- Relative humidity: max. 80%
- Adhesive tensile strength: combined after 3 days at 100% screed - concrete break
- Pot life: 10°C in approx. 100 min
20°C in approx. 50 min
30°C in approx. 25 min

SAFETY INFORMATION

- When processing epoxy resins and curing agents, the general cautionary measures applicable when handling chemicals must be observed, especially BG regulation 227 "Activities involving epoxy resin" (Publisher: Occupational Associations of the Chemical Industry)
- Irritates eyes and skin. Possible sensitization due to skin contact. Toxic for water organisms, may cause long-term damage in bodies of water. Prevent contact with eyes and skin. In case of contact with the eyes, rinse thoroughly with water immediately and consult a doctor. In case of contact with the skin, rinse thoroughly with water and soap. Wear suitable protective gloves and goggles/face protection during work. Only use in well ventilated areas. Keep away from children. Further information regarding safe handling of our products is available in the safety data sheet.

DISPOSAL

- This substance and its container must be disposed of as hazardous waste. Empty container without dripping. Container remains and product remains must be disposed of in accordance with the information provided by our disposal guidebook or with local regulations.

CLEANING

- TpoX 10° can be removed in fresh condition using a diluent. Once it has cured, it can only be mechanically removed.

PRODUCT ONLY FOR PROFESSIONAL APPLICATIONS!

Please note: The English translation is based on the German original. The translated version of the German data sheets is a courtesy translation and for informational purposes only. In case of dispute, controversy or inconsistency between the German version and the version in another language the German version is binding in accordance with the legal provisions. The German version is available on our website or will be sent upon written request.

Our information is based on our current experiences and developments which is why offer a warranty for the flawless quality of our products. However, we cannot assume responsibility for the success of the work performed by you because different conditions at construction sites, laying techniques and construction implementations do not result in legal liability. We recommend creating a trial area for individual situations. Moreover, our General Terms and Conditions apply. With the publication of this technical data sheet, any previous versions are no longer valid.

Color: Comp. A transparent / Comp. B honey-yellow

Form: liquid

Form of delivery: metal container 10 kg net

Shelf life: min. 12 months after production date if stored properly

Processing temperature: above +10°C

Storage conditions: unopened, intact original containers, dry, at temperatures ranging from +10°C and +30°C