



TECHNICAL DATA SHEET Page 1/2

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TPOX R is tested, low emission and meets the requirements of LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization - Environmental Product Declaration, LEED v4 MRc 4 (Option 2): Construction Product Declaration and Optimization - Material Ingredients, and LEED v 4 EQc 2: Low-Emission Materials.

Thanks to the thixotropic flow properties of TPOX R, the resin is low viscosity during processing and thus fills cracks completely. After application, the viscosity increases again, which guarantees controlled application and reduces material consumption in the long term.

APPLICATION AREA

- As crack repair resin for frictional connection of all cementitious substrates in interior and exterior areas.
- Shaft connectors are not necessary as TPOX R has a significantly higher strength than the cementitious matrix.
- Also suitable for calcium sulphate screeds.

PROPERTIES

- Cracks are sealed tightly by perfect wetting of crack edges.
- Top quality adhesion on mineral building materials, wood, metals and more.
- The tailor-made squeeze bottle with individually adjustable dosing tip ensures easy and clean dosing

MIXING PROCESS

- Pour component B (hardener) completely into component A (resin). Make sure that component B drains out completely. Close container again and mix thoroughly by shaking vigorously (at least 2 minutes).
- Continue shaking until a streak-free, homogeneous mix is achieved.

SUBSTRATE PREPARATION

- Prepare the substrate in accordance with the relevant standards and the state of the art.
- The substrate must be free of oil and grease, dust and separating agents.
- Cut into the crack by approx. 1/3 of the screed thickness or expand it mechanically by scraping out the crack (use caution with underfloor heating systems: the incision depth must be less than the depth of the upper edge of the installed underfloor heating system!)
- Extract dust from the crack to ensure proper adhesion

PROCESSING INFORMATION

- By using the supplied squeeze bottle, dosing the required amount of resin is simple. To do so, cut the dosing tip to the desired size so that the resin can be filled precisely into the crack
- Mix TPOX R and then press evenly into the crack with the squeeze bottle until the crack is completely filled. After a few minutes, pour resin into the crack again to level out any resin that has seeped into the crack.
- For better adhesion of the subsequent layer, sprinkle with quartz sand.
- Due to the high strength of TPOX R, cross-anchoring with shaft connectors and similar devices is not necessary. However, when properly executed, cross-anchoring does not have any disadvantage
- For applications on wood and metal, the surfaces should be treated as described above in substrate preparation and roughened. The materials used and their applications must be tested in advance in each individual case.

PRODUCT DATA

- Delivery form: 629 g comp. A (resin) in 750 ml PE squeeze bottle + 126 g comp. B (hardener) in 250 ml PE bottle
- Store conditions: dry, cool (10 – 25 °C), frost-free in the original close containers – shelf-life minimum 12 months.
Note: Separation may occur when storing comp. A. This does not impair the function and can be removed by shaking before use.
- Mixing ratio: Proportion by mass A : B ≈ 5 : 1

TECHNICAL DATA

- During resinification and curing, the substrate temperature must be at least 3 °C above the dew point temperature. Protect from condensation!
- Ground temperature: at least 10 °C
- Pot life: approx. 50 min at 10 °C
approx. 25 min at 20 °C

TPOX R

HIGH-PERFORMANCE
CRACK REPAIR RESIN

SAFETY INFORMATION

- When processing epoxy resins and hardeners, observe standard precautionary measures for handling chemicals, in particular BG rule BGR 227 „Working with epoxy resins“ (Ed.: Berufsgenossenschaften der chemischen Industrie (Employer's Liability Insurance Association of the Chemical Industry)).
- Causes severe skin burns and eye damage. May cause allergic skin reactions. Harmful if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact with skin, rinse thoroughly with soap and water. Wear suitable protective gloves and eye/face protection. Use only in well ventilated areas. Keep out of the reach of children. Further information on the safe use of our products can be found in the safety data sheet.

Note: After mixing component A with component B, larger quantities in the bottle may generate heat up to approx. 110°C after the pot life. Therefore, keep the bottle away from heat-sensitive materials or surfaces (window sills etc.)! Caution: After the pot life, contact with bare skin can cause burns!

Additional information on the safe use of our products can be found in the safety data sheet!

DISPOSAL

- Do not allow product residues to enter drains, water courses or the ground. Drip-free or completely empty containers are recyclable. Containers with uncured product and uncured product residues are to be treated as hazardous waste. Containers with cured residual contents are construction waste. Product residues should therefore always be cured and disposed as construction waste. The local guidelines for disposal must be observed.

CLEANING

- TPOX R can be removed when fresh using thinner; in the cured state, mechanical removal is required.

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 thus we take warranty for the flawless quality of our products. We cannot assume responsibility for the success of the work carried out by you, as no legal liability can be derived due to different construction site conditions, laying techniques and construction work. 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 brownish-transparent / Comp. B transparent

Form: liquid

Form of delivery: PE bottles 755 g net weight

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 +25 °C