

TRACKFIX POX

**Approval by the German Federal Railway Authority for
operational testing of ballast bonding**



Properties:

TRACKFIX POX is a rigid, 2 component epoxy based injection resin. Thanks to its high mechanical strengths, it can be used to fix rail ballast/gravel efficiently in railway construction.

Other Application areas are:

- Transitions between standard open rail and fixed rail stretches
- Suitable for full and partial Bonding I + II
- Protection of Gravel slope
- As protection against ballast shifting
- As protection against flying ballast
- For safety during work on tracks
- Position stabilization and/or correction
- Reduction of tamping intervals
- For Stabilization and Fixation of sleepers
- For easier cleaning of track ballast bed
- Reduction of dust production in operations

Due to its outstanding viscosity *TRACKFIX POX* is penetrating superbly into the track ballast in order to solidify it. Application of this product is being realized in dry to slightly damp areas.

Technical Data:

Substance data of components:

Component A

Consistency	liquid	
Colour	light yellow	
Odour	almost odourless	
Spec. density (23°C)	approx. 1,16 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 6000 mPas	DIN EN ISO 2555

Component B

Consistency	liquid	
Colour	light yellow	
Odour	similar to amine	
Spec. density (23°C)	approx. 0,99 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 20 - 40 mPas	DIN EN ISO 2555

Applicable at ambient temperatures of	:	10°C - 40°C
Recommended product temperature	:	15°C - 30°C

Safety information:

TRACKFIX POX component A contains epoxy resin. *TRACKFIX POX* B-component B contains amines. Both components are classified as hazardous according to Regulation (EC) Nr. 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

TRACKFIX POX
Component A 20 Kg- metal canister

TRACKFIX POX
Component B 8,8 Kg- metal canister

Storage:

Shelf life at least 12 month in original packaging when stored in dry conditions between 15 - 25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Test certificates:

TRACKFIX POX - Determination of identifying properties and performance characteristics of epoxy resin according to DIN EN 1504-5, MFPA Leipzig 2010

Injection behaviour in concrete structures - Testing of the crack filler *TRACKFIX POX* according to DIN V 18028:2006-06; MFPA Leipzig 2011

Development of the compressive strength of the epoxy-based injection resin *TRACKFIX POX* at lowest application temperature; MFPA Leipzig 2012

TRACKFIX POX – Untersuchung des Elutionsverhaltens eines Injektionsharzes auf Epoxidharzbasis im Säulenversuch mit umgekehrter Fließrichtung; MFPA Leipzig 2016

Investigation on ballast bonded by *TRACKFIX POX*, Technical University (TU) Munich 2019

Examination according to TrinkwV 2012 and Coatings Guideline; görtler analytical services gmbH Vaterstetten 2019

Determination of compressive strength on Ballast bonded by *TRACKFIX PUR*, *TRACKFIX POX* and *TRACKFIX SIL*, TU Munich 2019

Approval for operational testing of the two-component injection resin *TRACKFIX POX* for ballast bonding; Eisenbahn-Bundesamt 2020



Legal notice:

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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