



## TECHNICAL DATA SHEET

# RASCORail RBP320

RASCORail RBP320 is a slow-reacting, solvent-free, slightly water-repellent, 2-component polyurethane resin purpose-developed for ballast bonding in railway applications. The bonding of the ballast (e.g. in the area of points) serves to stabilize the track bed and thus substantially cut maintenance costs. Due to the spot bonding, the ballast bed retains its pervious properties, thereby allowing water to drain off.



### USE

- temporary track stabilization during construction works, maintenance of operations on adjacent track without elaborate lateral retaining works
- stabilization of subgrade at tunnel and bridge approaches
- stabilization of weak subgrades
- lengthening of track tamping intervals
- elimination of flying ballast
- prevention of damage to ballast bed by high water and flooding
- simplification of cleaning works at stations
- prevention of vandalism

### FEATURES

- high ballast permeation
- long gel time
- minimal foaming of material in contact area with water
- high compressive strengths
- use of accelerator allows individual control of gel time
- pigmented material (black, grey) upon request



## TECHNICAL / PHYSICAL DATA

	A-Comp	B-Comp	A B Mix
Supplied form	liquid	liquid	
Material colour	slightly yellowish-orange	brown	
Container type	IBC	IBC	
Container size	990 ltr/ 1000 kg	990 ltr/ 1215 kg	
Viscosity (DIN EN ISO 3219)	190 - 250 mPas	180 - 240 mPas	
Density (DIN EN ISO 2811)	1,01 kg/ltr (± 0,04)	1,23 kg/ltr (± 0,04)	
Hazardous goods/ADR	none	none	
Mixing ration			1:1 (by volume)
Pot life at 25° C			approx. 15 min
Track-free			1,5 -2 h
Curing time			4 - 6 h
Tensile bond strength (DIN EN 12618-2)			approx. 3,7 N/mm <sup>2</sup>
Flexural tensile strength (DIN EN 196-1)			approx. 17,7 N/mm <sup>2</sup>
Tensile strength (DIN EN ISO 527-3)			approx. 44,2 N/mm <sup>2</sup>
Compressive strength (DIN EN 196-1)			approx. 62 N/mm <sup>2</sup>
Shore A-hardness			> 80
Application temperature	from +5° C to +40° C		
Storage/shelf life	6 months in original container, from +10° C to +25° C, in dry conditions		

## APPLICATION

The A- and B-components are supplied in the correct, ready-to-use volumetric proportions of 1:1. Application is by spraying with a wide-angle nozzle using an injection pump that delivers the components in the ratio 1:1 by volume. The components are delivered separately and mixed together by a static mixer immediately before spraying. The reaction of the mixed components produces a polyurethane system.

## GENERAL GUIDELINES

The gel and curing times are temperature-dependent. The reaction between the components is significantly influenced by the ambient and ballast temperatures.

A minimum application temperature of +5°C should be observed for the individual components. The components shall be properly blended into a homogeneous mix. For this purpose, a static mixer of min. 300 mm length should be used. All RASCOrail resins are moisture-sensitive. Do not use water or aqueous agents to clean the equipment and pumps.

## SAFETY NOTICE

Suitable protective clothing, gloves, mask and goggles shall be worn. An eye-wash bottle shall be kept at hand. For further details, please consult the safety data sheet.

## SUPPLY / ADDITIVES

Item No.	Product	Container	Contents
1112.1131.002	RASCOrail RBP320 A-Comp	IBC	990 ltr / 1000 kg
1112.1132.002	RASCOrail RBP320 B-Comp	IBC	990 ltr / 1215 kg
1112.1131.001	RASCOrail RBP320 A-Comp	Kanister	19,8 ltr / 20,0 kg
1112.1132.001	RASCOrail RBP320 B-Comp	Kanister	19,8 ltr / 24,3 kg

Grouting machines, equipment and accessories available on request

LEGAL NOTICE: The information provided on the use and application of our products in this technical data sheet is based on the present state of our knowledge. The customer shall bear sole responsibility for the proper specification, application and use of the products in line with the intended purpose, project-specific conditions and external actions. The most recent technical data sheet shall apply. The current technical data sheets are available at [www.rascor.com](http://www.rascor.com). Our General Terms of Business shall form an integral part of this technical data sheet.

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