

For more than four decades, PAGEL® Spezial Beton GmbH & Co. KG, Essen, has been leading in the development of grouting and other speciality mortars. The PAGEL® Grouting systems together with the well-known brand V1® and PAGEL® Concrete repair systems have become an internationally renowned concept of quality.

Our company develops, produces and distributes speciality and grouting mortar systems for high-precision machines, wind turbines, anchoring and injection works, repair systems for concrete, drinking water containers, channel and waste water areas as well as industrial floors.

With this broad range of products, the constant quality and great reliability of our products as well as the solution-oriented expert advice, our company has gained an outstanding reputation worldwide.

The satisfaction of our customers will also remain the core aim of our activities in the future. Our company was certified according to EN ISO 9001 already in 1995.

Any and all products correspond to the specifications and requirements for the CE labelling whereas the in-house production control is additionally certified according to DIN EN 1504-2, DIN EN 1504-3, DIN EN 1504-6 and DIN EN 1504-7.

PAGEL® products are distributed by branches and contractual partners in more than 50 countries worldwide.

**Contact us!**



Current data sheets may be found on our website  
[www.pagel.com](http://www.pagel.com)

## PAGEL® RB/50 Repair concrete

high early and final strength

loadable after 90 minutes

High frost and deicing salt resistance  
after 12 hours

### PAGEL® Spezial-Beton GmbH & Co. KG

Wolfsbankring 9 · 45355 Essen · Germany

Tel. +49 201 68504 0

Fax +49 201 68504 31

[www.pagel.com](http://www.pagel.com) · [info@pagel.com](mailto:info@pagel.com)

## RB/50 REPAIR CONCRETE

The availability of transport infrastructure is becoming increasingly important. With the fast-setting products from PAGEL, repair and refurbishment measures can be carried out within a few hours - often with no or only brief traffic restrictions.

As a repair concrete and as a type C rapid concrete according to TL BEB-StB 2015, the PAGEL **RB/50** repair concrete meets all requirements for building materials for the structural maintenance of traffic areas.

### Properties

- › Consistency class of F2 to F3 = plastic to soft (DIN EN 206-1/DIN 1045-2)
- › Reaches full strength after as little as 1.5 hours, including in low temperatures
- › Very high early and final strengths
- › High frost and frost-deicing salt resistance after 12 hours and after 28 days (CIF and CDF test procedures)
- › Complies with the requirements of building material class A1 (non-combustible) as specified under decision 2000/605/EC of the European Commission dated September 26, 2000 (published in the official journal L258)

### Areas of application

- › Structural maintenance of concrete traffic surfaces
- › Repair of:
  - Concrete runways, floor slabs and concrete areas
  - Hall floors
  - Airfields, taxiways and aprons
  - In the field of track construction "Solid track"
  - Runway

## TECHNICAL DATA

TYPE			RB/50
Grain size	mm		0-5
Layer thickness	mm		60-200
Amount of water	max.	%	10
Processing time approx.	20 °C	min	10
Consumption approx.		kg/m <sup>3</sup>	2,200
Fresh mortar raw density		kg/m <sup>3</sup>	2,400
Slump flow class	5 min		F2/F3

Compressive strength	2 h	N/mm <sup>2</sup>	≥ 20
	5 h	N/mm <sup>2</sup>	≥ 25
	12 h	N/mm <sup>2</sup>	≥ 30
	24 h	N/mm <sup>2</sup>	≥ 35
	28 d	N/mm <sup>2</sup>	≥ 50
Bending tensile strength	2 h	N/mm <sup>2</sup>	≥ 3
	5 h	N/mm <sup>2</sup>	≥ 4
	12 h	N/mm <sup>2</sup>	≥ 5
	24 h	N/mm <sup>2</sup>	≥ 6
	28 d	N/mm <sup>2</sup>	≥ 8

### APPLICATION EXAMPLE: Renovation of a platform

