



## Sealing sole

### Railway station, Donauwörth

#### Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Sealing slabs
Runtime	06.2020 - 03.2022
Principal	ARGE Donauwörth, Waldsassen

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# Sealing slab under restricted heights

## Back-anchored DSV base

As the groundwater was located in the area of the excavation base, it was necessary to construct a DSV base within the sheet pile box. The challenge here was to construct a DSV base with limited height below the bridges. In the areas of the future lifts, the DSV base was additionally back-anchored with GEWI piles. Due to the limited space available, it was not possible to construct an earth basin or set up appropriate troughs within the construction site.

This difficulty was solved by laying return pipes with a length of up to 200 m. With the aid of compressed air, the DSV return flow was thus transported to an external earth basin. The 'right' drilling rig. Another challenge arose from the fact that the drilling rigs had to be lifted into place by freight train in some areas. Thanks to its own wide range of machinery, the team was able to overcome this challenge safely and without any problems by selecting and using the right drilling rig. The adjacent existing building was also underpinned with DSV columns to protect it against settlement.

Good communication led to punctual handover

The cooperation with Kassecker was 'direct', which enabled flexible workflows to the satisfaction of both parties. The work was completed within the desired

## Impressions



## Image notes

1

Railway station, Donauwörth

Donauwörth railway station has been made barrier-free. A new pedestrian tunnel as well as lifts were built underneath the tracks.

2

Railway station, Donauwörth

The challenge here was the construction of a DSV base under restricted height below the bridges.



Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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