



Sealing Wienerwald Tunnel

Data and facts

Company	IAT GmbH
Type	Waterproofing, Railway construction
Runtime	08.2006 - 12.2009
Principal	ARGE Tunnel Wienerwald

[Project report online](#)

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Perfectly isolated.

IAT GmbH, a 100% subsidiary of the PORR Group, is responsible for the sealing work in this project as part of a consortium. The laying of the sealant is coordinated with the excavation methods: The east excavation from Hadersdorf-Weidlingau is performed using the usual explosives. Here, fleece and the PVC sealing strips are manually applied for sealing from a truss, a conventional sealing. For the west excavation from Chorherrn, tunnel boring machines milled two tunnel pipes with 11 km length apiece, which were then expanded with segments. In this section, the sealing was done using a hotmelt adhesive, with which the fleece-lined sealing strips were bonded hot to the underground using special, fully automatic laying machines.

The Wienerwald Tunnel is one of the first construction projects in Austria in which this innovative sealing system was used. The original development comes from Switzerland, which is known for a high degree of mechanisation in tunnel construction. The experiences gained as part of this project create an advance in knowledge and make the innovative subsidiary of the PORR Group an important partner for future construction projects in this sector.

Impressions

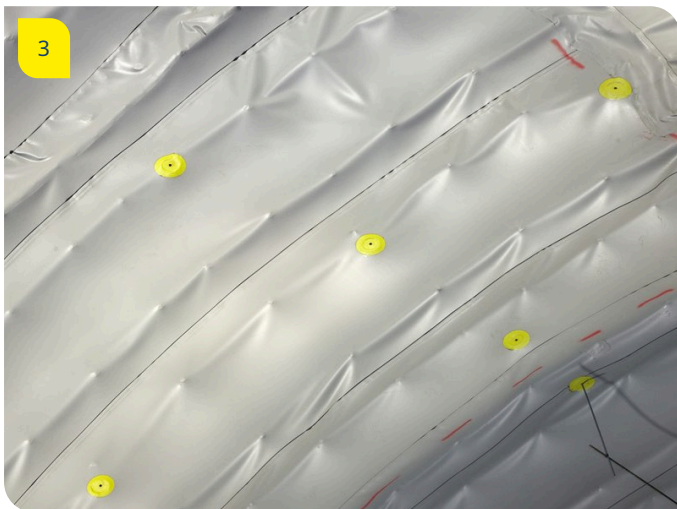


Image notes

1

Wienerwald Tunnel.

The Wienerwald Tunnel was sealed with 60,000 m2 of conventional sealing and 500,000 m2 of hotmelt adhesive.

3

Wienerwald Tunnel.

Perfectly soldered PVC tracks ensure maximal tightness.

2

Wienerwald Tunnel.

Great precision in laying and connecting of the individual tracks

4

Wienerwald Tunnel.

Different laying techniques are used to seal the tunnel depending on the excavation methods.

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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