

# New secondary school

Trostberg, Germany



Realschule Trostberg

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## New construction of the state secondary school Trostberg with 30 classrooms as well as technical and administrative rooms.

The building of the Trostberg State Secondary School has been dilapidated for a long time. The district authorities have therefore decided to erect a new building instead of carrying out a general refurbishment. The future secondary school is divided into three compact, three-storey buildings that form interlocking open spaces. The new building is being constructed slightly offset from the existing secondary school on a site next to the Hertzhaier-Gymnasium. A solid waterproofing concept was required because the built-up urban area between the Alz River and the Alz Canal is contaminated by groundwater.

The combination of Fradiflex® metal water stop, Intec® injection hose system and the sub-structure waterproofing system Zemseal® provides permanent protection against water pressure in the basement.

### Type of building:

Education facility

### Clients and Developers:

Landkreis Traunstein

### Architect:

spreen köhler architekten +  
beratende ingenieure GmbH  
[rak-architekten](https://www.rak-architekten.de)

### Building contractor:

Gerstl Bau GmbH & Co.KG

### Distributor:

Berger Bau- und Industriebedarf  
GmbH  
[Berger Unternehmensgruppe](https://www.berger-bau.de)

### Completion:

2020

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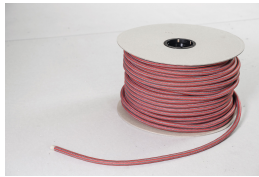
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## Products used:



Metal waterstop Fradiflex®



Injection hose system Intec®



Sub-structure waterproofing system Zemseal®



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Base plate with waterproofing membrane Zemseal®  
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Waterproofing membrane combined with snake type spacers  
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Base slab to wall  
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Formwork elements for working joints Stremaform®  
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Edge with Zemseal® and Fradiflex®  
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Fradiflex® Premium metal water stop  
© www.maxfrank.com



Redundant cold joint waterproofing  
© www.maxfrank.com



Construction area with ground water  
© www.maxfrank.com



Stremaflex® combined with Fradiflex® with fixing angels  
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