



# Museum of Modern Art "berlin modern", Berlin

## Data and facts

Company

PORR Spezialtiefbau GmbH

Type

Turnkey construction pits

Runtime

02.2021 - 07.2023

Principal

Stiftung Preußischer Kulturbesitz, Berlin

[Project report online](#)

[www.porr-group.com](http://www.porr-group.com)



# Sophisticated excavation pit for "berlin modern"

## Secure sealing with a DSV sealing base

The excavation pit was sealed at the bottom with a medium-height DSV sealing base measuring around 8,000 m<sup>2</sup>, which was anchored back against buoyancy with around 1,000 micro-grouted piles. The injection piles have to bind an enormous soil package, which is why drilling lengths of around 40 metres had to be overcome in some cases. The DSV sealing base was a safe solution thanks to its customised adaptation to the subsoil. The piles also serve to secure the building against buoyancy.

## Inner-city construction with gentle methods

Only low-impact methods are used for inner-city construction. Not only are expertise and accurate planning important here, but also the use of state-of-the-art equipment that operates with low noise levels. The diaphragm wall method enables low-noise and vibration-free construction.

## Impressions



## Image notes

1

Museum of Modern Art "berlin modern", Berlin

View of the completed excavation pit with the adjacent St Matthew's Church.

2

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The DSV sealing base is anchored back against buoyancy via around 1,000 micropiles.

3

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The challenging excavation pit measures approx. 125 m x 75 m.

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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