



Rehabilitation of the historic dam wall, Kerspe dam

Data and facts

Company	PORR Spezialtiefbau GmbH
Type	Rehabilitation
Runtime	03.2021 - 05.2022
Principal	Wupperverband

[Project report online](#)

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PORR

Extensive expertise in brickwork construction

For the rehabilitation, the damaged joints were rinsed out using high-pressure water jets, around 5,000 damaged stones were replaced with new stones and the masonry was finally spray-pointed.

New reinforced concrete stilling basin floor

The bottom of the stilling basin was also originally built with quarry stones. Drill core analyses revealed masonry damage down to a depth of 50 cm. The masonry was therefore dismantled and the base rebuilt with 450 m² of reinforced concrete.

The rehabilitation of the wall, up to a height of 34 metres from the scaffolding and below the spillway, was challenging for both man and material. During a heavy rainfall event like the one in July 2021, which brought with it the devastating flood of the century, the spillway had to be opened and the water poured over the special scaffolding.

Impressions



Image notes

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Rehabilitation of the historic dam wall, Kerspe dam

PORR special civil engineering was deployed at the Kerspe dam for the rehabilitation and cleaning of the approx. 2,800 m² listed dam wall as well as the bottom of the stilling basin.

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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