

Mühlturmpassage Parking Garage



SHORT DESCRIPTION

As part of the new construction of the Mühlurmpassage in Speyer, BBV manufactured, delivered, and tensioned numerous Lo1 tendons for the floor slab to create a dense, durable, and crack-free floor slab. The floor slab was coated only with a rigid surface protection system (similar to today's OS8). To date, no cracks have appeared in the floor slab.

THE PROJECT

As part of the new construction of the Mühlurmpassage in Speyer, BBV manufactured, delivered, and installed numerous Lo1 tendons for the floor slab.

The goal was to create a dense, durable, and crack-free structure. The floor slab was coated only with a rigid surface protection system.

To date, no cracks have appeared in the floor slab, confirming the high quality and durability of the construction.

SERVICES IN DETAIL

- Prestressed floor slab:
 - Lo1 Tension Members
 - Manufacturing, Delivery, and Installation
 - Production of precast tendons in Germany, Bobenheim-Roxheim
 - Prestressing and sealing of the tendons

CHALLENGES

- Waterproofing of the floor slab in accordance with waterproofing specifications
- Tensioning work on the morning of December 24, 1999

SUSTAINABILITY

- Reduced Reinforcement Requirements Through Prestressing
- Replacing a crack-bridging coating with a rigid surface protection system

FACTS

Location	Mühlturmstrasse 24, Speyer , Germany
Status	completed
Start of construction	January 1999
Completion	January 1999
Building owner	C- Dupré



<https://www.bbv-systems.com/en/projects/detail/ref/parkhaus-muehlturnpassage/>

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