Multi-family house with underground car park

BUILDING COMMON GROUND MAX FRANK®

Deggendorf, Germany

Bodenplatte Mehrfamilienhaus
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Type of building:
Residential building

Architect:
kress aumeier architekten partner mbB
https://www.kress-aumeier-architekten.de/

Building contractor:
Jeßberger Bau
https://www.jessberger-bau.de/

Distributor:
Bäumler Baubedarf GmbH & Co.KG
http://www.baeumler-baubedarf.de/index.html

Completion:
2020

Construction projects with an underground car park require appropriate structural measures to protect the basement, especially in connection with critical groundwater conditions.

Conventional waterproof concrete structures can reach their limits in certain conditions. In areas with high groundwater levels such as the city of Deggendorf, directly at the course of the Danube river, an additional measure for ensuring water impermeability is therefore advisable. Those responsible for the construction chose the sub-structure waterproofing system Zemseal®.

To complement the system, additional MAX FRANK products including bar spacers and distance tubes were installed.

Both the floor slab and the wall surfaces were constructed with the sub-structure waterproofing system Zemseal®. This ensures the sealing of the project against water ingress.

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Products used:

Fibre concrete bar spacers

Distance tubes, cut

Sub-structure waterproofing system Zemseal®

Base plate apartment house
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Base plate with lift underpass
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Substructure waterproofing system rolled out
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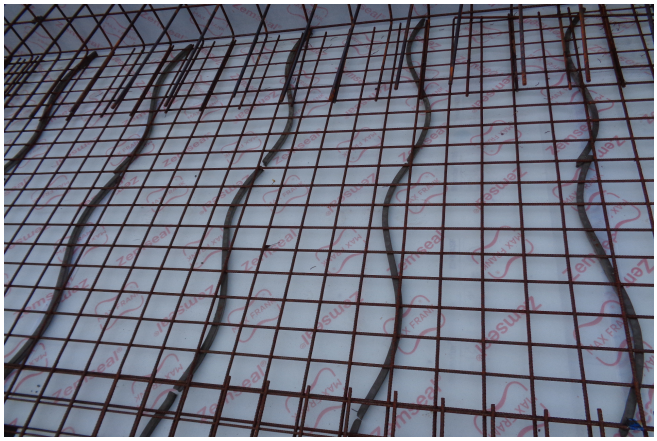

Fibre concrete bar spacers - type snake
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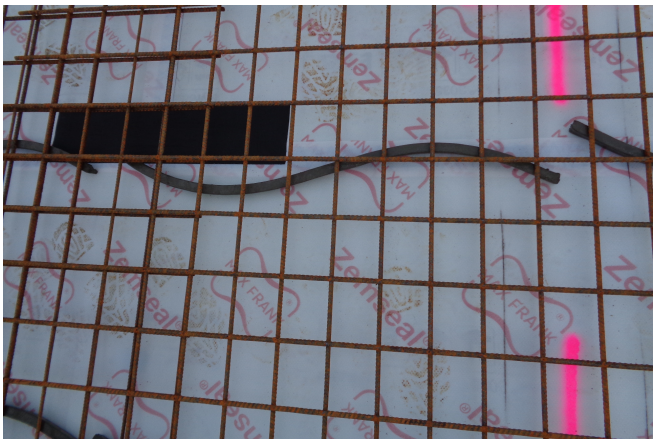

The joints are secured with tape.
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Lower reinforcement layer installed.
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Finished wall surface with Zemseal®.
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Finished wall surface with Zemseal®.
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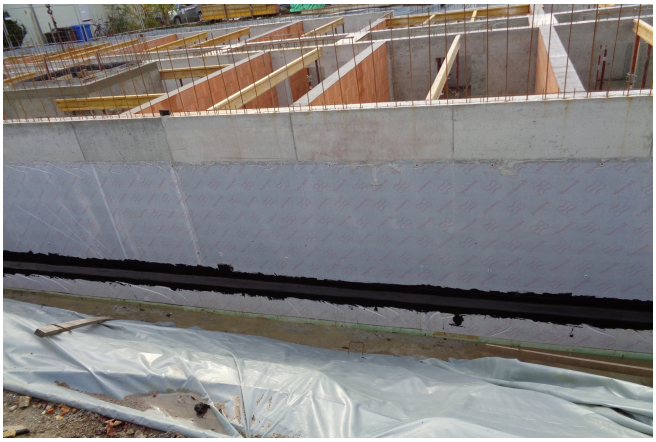

Slab to wall transition with Zemseal®.
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