FRÄNKISCHE

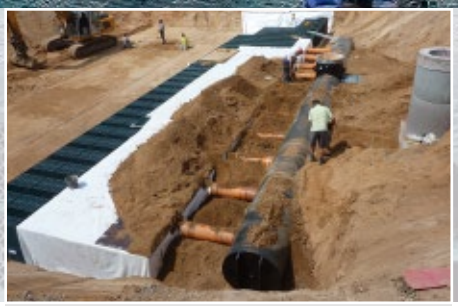
Project implementation report

Infiltration system for roof surfaces and trafficked areas **huma** retail centre in Schwabach

Construction project:
huma Fachmarktzentrum Schwabach
Am Falbenholzweg 15

Planning:
Climaplan GmbH
Ingenieure für Versorgungstechnik
Lothstraße 1
80335 Munich / Germany

Construction execution:
Bauunternehmung Moezer GmbH
Ansbacher Straße 4
91586 Lichtenau / Germany



DRAINAGE SYSTEMS
ELECTRICAL SYSTEMS
BUILDING TECHNOLOGY
INDUSTRIAL PRODUCTS

Infiltration system for 66,390 m² of connected area

System description:

Revitalisation of the **huma** retail centre. Renovation and new construction of the existing retail centre in Schwabach without interrupting business operation. New drainage concept design with an infiltration system for roof surfaces, the delivery zone in the north, and a part of the parking lot area in the south.

The total area connected to the infiltration system is 66,390 m².

Due to the dimensions of the system, corresponding distribution units DN 1000 were included in the design to ensure optimal feeding of the infiltration system.

Connected areas:

Trafficked area, north-east:	13,760 m²
Roof surface, north:	18,100 m²
Trafficked area, south:	26,000 m²
Roof surface, south:	8,530 m²

Scope of delivery:

Due to the modular design, quick and smooth completion of the project was possible in just a short time period. A total of 3,820 Rigofill inspect blocks, 34 QuadroControl shafts, as well as two distribution structures DN 1000 with a length of approx. 18.0 m and two distribution structures DN 1000 with a length of approx. 5.0 m were used.

Specific features:

- Just-in-time delivery
- Installation depth of Rigofill inspect blocks of up to 6 m
- High load owing to truck traffic
- Structures for optimal water distribution in the infiltration system
- Front-head installation prompted by the situation at the construction site
- Installation of up to 800 blocks per day
- Very short construction period; installation of Rigofill inspect blocks within 6 days only

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