

ACO civil engineering at work

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RONDO: Shopping Centre, Rendsburg ACO DRAIN® products over a 38,000 m² area

Exclusive stores entice you to the RONDO


At the end of 2009 the time had finally come: the new RONDO shopping centre was opened with four days of celebration, after several years of planning and construction. The specific plans for the project had begun back in 2005, yet the specific physical characteristics of the site required special measures. "The major architectural challenge for which the Munich-based Professor Heinz Fischer supplied the draft, was to create a secure foundation for an 11,000 square-metre shopping centre in the damp fallow meadows near the Eider river", the ROND O's Rendsburg-based architect, Helmut Hansen, explains. With the help of 600 concrete pillars of up to 18 metres in length, which were inserted into the marshy ground, the problem was able to be solved. In the external area it was also necessary to insert a further 1,700 stakes, so as to create a bottom level with the

required bearing capacity. "The guiding idea for the laborious construction was to give the development an unmistakably distinctive signature in urban design terms, one with a visual appearance which is consistent with the challenging aspirations of both the towns in the Upper Eider area, and one which will still prove its worth decades from now", as Hansen put it. This has been achieved by the planners of the building, the basic form of which is oval. The development was harmoniously integrated into the surrounding environment with the adjacent redbrick buildings in an exemplary fashion. Red tones dominate, both in the area of the external walls (concrete, steel and glass construction) and in the interior of the single-storey, ground-floor shopping centre.

Connections to the ROND O are via a new net-

work of pedestrian paths and access roads, created within the scope of the overall construction project. Visitors enter the interior via two entry portals, behind which a „boulevard“ leads to 19 specialist shops and chain store outlets. With ca. 500 parking spaces and the new bus stop, the ROND O provides very good accessibility to drivers and users of public transport.

The owner of the development is particularly proud of the ecological concept. On a 700 square metre section of the roof, the operators of the ROND O have installed a photovoltaic facility consisting of 480 solar modules. It contributes to greater sustainability, supplying power which is fed into the network of Rendsburg's municipal energy company and,

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ACO DRAIN® Multiline with Eyeleds in the access area



tree-protection floor grids to protect the young plants



ACO DRAIN® Kerbdrain in the area of the access and exit roads and also the parking spaces

on average, covers the needs of about 200 single-family houses.

ACO Tiefbau Vertrieb GmbH is the specialist for professional water drainage in civil engineering, road construction and garden, landscape and open space construction: this was proved once again on the 38,000 m² overall area of the Rondo shopping site. For planners and firms carrying out the construction work, the use of ACO products offered great advantages: obtaining everything from one source and using products coordinated with each other and forming elements of a system. The complete product programme was used in the building of the new shopping centre: water drainage channels, manhole covers and access covers, street drains, tree-protection floor grids and tree guards, as well as separators and supply shafts. Apart from the proven and high-calibre standard products, such as the ACO DRAIN® Multiline channel systems, also used in combination with ACO Eyeleds, and ACO DRAIN® Kerbdrain, as well as the new channel system ACO DRAIN® Powerdrain, special designs were also developed in collaboration with the planners.



ACO Multitop manhole cover with Rendsburg's coat of arms in the entrance area of the RONDO

Information at a glance

Project: RONDO shopping centre, Rendsburg/Büdelndorf

Client: Hans-Julius Ahlmann, Rendsburg

Planning: Architekturbüro Hansen, Rendsburg
Architekturbüro Fischer + Steiger, Munich

Building company: Heinrich Brandt
Stahlbeton- und Tiefbau GmbH & Co. KG,
Westerrönfeld

Construction dates: 06/2008–10/2009

Project supervision ACO Tiefbau:
ACO Tiefbau Anwendungstechnik und
Produktmanagement

ACO Products:

- ACO DRAIN® line drainage systems:
- 260 m Multiline with Eyeleds
 - 60 m Powerdrain
 - 340 m Galaline with composite floor grids
 - 870 m Kerbdrain, open/closed
 - 70 m plastic channel for the facades

ACO road construction / garden, landscape and open-space construction products:

- 35 units: Multitop LW 600/800
- 35 units: tree-protection floor grids
- 35 units: tree guards

More ACO products: GroundGuard, channel gulleys, supply shafts

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