

Practical experience: ACO Surface Water Management

Strazevica (Serbia)
2021



Advantages

- The products meet the required technical characteristics for tunnels in Serbia
- The best hydraulic performance to collect hazardous liquids in case of an accident
- The channel system is made from non-flammable material according to German technical specification
- Complementary components

Up to the newest standards:

Tunnel Strazevica

A drainage system to ensure the safety of human life as well as the environment.

The first tunnel in Serbia made with non-flammable line drainage system in accordance with the German "RABT" standard. The "RABT" in combination with the European Tunnel regulation provides technical guidance for the design and the operation of road tunnels.

The original design of the tunnel was made a long time ago, without considering the guidelines provided and accepted in the meantime by the Serbian road authorities.

The new requirements of the project included line drainage made of non-flammable materials, specific kerb height and flow rate, all with a very limited installation height.

ACO Monoblock T 275V as the central part of the ACO solution covers all of the new requirements. The drainage solution developed by ACO in Serbia in collaboration with the fire service covers the entire handling of hazardous liquids in the event of accidents in tunnels: collecting hazardous liquids, buffer, clean and discharge them in a controlled manner with ACO components.



Drainage solutions along the ACO system chain



Information at a glance

Object: Tunnel Strazevica,
Serbia, Belgrade Ring Road
Customer/ Investor: JP Putevi Srbije
Contractor/ Installer:
Power Construction Corporation of China
Limited, Ogranak Beograd
Planner: MAKSPRO d.o.o., Zemun, Serbia
Year of construction: 2021

ACO Product:

- ACO DRAIN® Monoblock T
275V 510 mm, 700 m
- ACO Sludge trap G 50.000 lit
- ACO Procurat alarm device
- ACO Oleopator
C- FST NS 20 ST2000
- ACO Flow control -C DN 200

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