



Motorway D1 -Tunnel Prešov (SK) Sheet Waterproofing

Country	Slovakia
Type	Motorway Tunnel
Client	National Motorway Company
Main Contractor	JV D1 Prešov (Eurovia, Doprastav, Metrostav), TuCon
Execution of the work	Renesco a.s.
Construction Period	2019 – 2020

Project Description

Motorway D1 Prešov West – Prešov North. This project completes the construction of the D1 motorway on a 7.9km stretch between the southern and western bypasses of Prešov, Slovakia. The Prešov tunnel will have a length of 2'244 meters with one-way traffic in each of the two tubes, excavated by NATM/ SEM method including cut-and-cover sections and escape corridors.

- BO 300-06 Driven tunnel – works include driving and primary lining in the length of ca. 1'00 m of tunnel from the west tunnel portal, building of secondary lining with insulation in one tube in the length of 2'000m.
- BO 300-05 Cut-and-cover tunnel – secondary lining of the cut-and-cover tubes, base plate, top arch
- BO 300-07 Cross connections – driving and primary lining of the first escape corridor and secondary lining of the first three escape corridors

Scope of Service

Supply and Install of the waterproofing system, designed as a drained (umbrella) system.

- Sheet waterproofing, 2mm PVC-P
- 500g/sqm polypropylene (PP) protection geotextile
- Sheet waterproofing for the cut & cover part, 3mm, PVC-P
- 800g/sqm polypropylene (PP) protection geotextile, for the cut & cover structure



1. Automatic application scaffolding
2. Portal area
3. Cut & Cover structure