



Tunnel Auberg (D) Sheet Waterproofing

Country	Germany
Type	Road Tunnel
Client	StBA Traunstein / Autobahndirektion Südbayern
Main Contractor	Marti GmbH Deutschland
Execution of the work	Renesco GmbH
Designer	Müller + Hereth GmbH, Dipl.-Ing. Bernd Gebauer Ingenieure GmbH
Construction Period	2019

Project Description

The Aubergtunnel is a two tube road tunnel with a length of 440m, part of the bypass Altenmark a.d. Alz - B304/299. The B304 is in combination with the B299 an important north-south axis in Bavaria. It connects the A8 at Siegsdorf with the A94 at Alt-Ötting. In addition, the B304 is an important link of the area Wasserburg am Inn in the districts Traunstein and Berchtesgaden; it also serves as a backup route for the traffic jam-prone A8 Salzburg Munich.

Scope of Service

Installation of the waterproofing membrane system under pressurized water conditions - sheet waterproofing 3mm TPO/FPO acc. to ZTV-ING (German standard) with signal layer, 950g/sqm polypropylene (PP) geotextile, full-round (360°) sealing, 3mm thick protection sheet membrane with signal layer, TPO/FPO water barriers, regrowable hose system. Application of contact grouting and systematic pre-grouting/ rock grouting works during the tunnel excavation.

- Cut & Cover, 2 x 20m
- Mined Tunnel, 440m
- Escape & Rescue tunnel, 140m
- Sheet Waterproofing, Invert, Wall & Crown
- 950 g/sqm PP Protection Geotextile
- 3mm Protection Sheet Membrane
- Water barriers, 600/34/6
- Contact Grouting incl. installation works
- Rock Grouting incl. Borehole Drilling with active bentonite/ cementitious grout mix.



1. Reinforcement Work at tunnel arch
2. Sheet Waterproofing Installation at crown
3. Drilling Work at the portal area