



Tunnel Perjen (AT) Sheet Waterproofing

Country	Austria
Type	Road Tunnel
Client	ASFINAG (Austrian National Road Administration)
Main Contractor	Marti GmbH Austria
Designer	Planungsgemeinschaft Bernard Ing. + IBK
Execution of the work	Renesco a.s.
Construction Period	2017

Project Description

The Perjen Tunnel project includes the construction of the second tube of the existing bypass between Zams and Landeck in Tyrol. In addition to the main tube, 10 transverse galleries must be built to connect the existing tube. Important external works must be realized outside of the two portals (construction of road sections, operating buildings, water protection installations).

- Length of tunnel 2.9km
- Main tube diameter 81 - 113m²
- Cross connections 10pcs
- Drill & Blast and hydraulic excavation
- Excavation (compact soil) 260'000m³
- Concrete 140'000m³
- thereof shotcrete 50'000m³
- Pipe-umbrella
- Inner lining concrete
- Earthwork, reinforcement and concreting works
- Road construction

Scope of Service

Sheet waterproofing, 2mm PVC-P according to OEBV guideline (Austrian standard), 900g/sqm poly-propylene protection geotextile, umbrella seal (crown and side-wall) and installation of drainage profile.



1. Pilgrim step process
2. Sheet waterproofing/ crown
3. Protection geotextile/ crown