

## Several tunnelprojects, Austria



**Application:** Shotcrete for tunnel linings  
**Object:** several tunnels  
**Country:** Austria  
**Year:** 2014  
**Fibre:** Concris ES 50 mm, 3 kg/m<sup>3</sup>

**Description**  
 Usually austrian tunnel builders prefer convential steel mesh for shotcrete reinforcement. For time- and cost savings more and more use Concris.

### Key advantages of the Concris Solution for this project

- Cost savings (no steel mesh needed, no installation time for steel mesh)
- Less logistic costs and shorter construction time (replacement of steel)
- Fast mixing and low rebound
- Fulfills performance requirements with low dosage (EFNARC tests)
- No corrosion and thus lower future maintenance cost
- Non-creeping-tested according to austrian regulations