



Hydro Power Plant Station «Berschnerbach», Berschis (CH)



Application:	Fiber reinforced shotcrete for permanent inner lining
Object:	Tunnel for pressure water pipe
Client:	Kraftwerk Berschnerbach AG
Company:	Gasser Felstechnik AG
Country:	Switzerland
Year:	2018
Fiber:	Concix ES, 4.5 kg/m ³

Description

The tunnel for the pressure water pipe of the hydro power plant station «Berschnerbach» (≈ 1300 m length) with a gradient from 20% (pipe gallery) up to 142% for the inclined shaft. The permanent inner lining sprayed concrete is only reinforced with the synthetic high performance fiber Concix ES.

Key advantages of the Concix solution for this project

- Cost savings (no steel mounting, lower logistic costs, shorter construction time)
- High performance (700 Joule after only 7 days – EN 14488-5)
- No corrosion and thus lower future maintenance cost
- Non-creeping-tested and durability tested fiber