

Excavation / Shotcrete

Excavation, shotcrete infill – Biology Centre University Vienna (AT)

Application Fiber reinforced shotcrete
for infill between piles

Object Biology Centre University
Vienna

Size -

Country Austria

Year 2018

Fiber Concrix ES 3,0 kg/m³

Description

The excavation support made with discontinuous bored pile walls with shotcrete infilling for the new Biology Centre for the University of Vienna. The originally planned reinforcement for infilling was AQ 65 steel mesh (332 mm²/m), which was totally replaced by using macro fiber reinforced shotcrete.

Key advantages of the Concrix solution for this project

- Time saving and therefore cost reduction
- No laborious mounting of steel meshes, lower logistic costs, shorter construction time
- Less concrete consumption, because no covering of steel necessary
- Much better carbon footprint, less CO₂ because of no steel and less concrete

