EPFL-ENAC MATERIALS AND STRUCTURES COURSE Section CE - Master semesters 1 and 3

EXERCISE 10-D - ED **UHPFRC SPECIFICATION (MIX-DESIGN)**

Case	Type of structure or element	Fibers	Aggregates	Binders	Mineral additions	Mixing water	Admixtures	Other products
3	Ribbed slab, city fire station							
	40 mm reinforcing layer in reinforced UHPFRC (with rebar)							
	cast in place on existing slab, hydrojetting of 10 mm thickness.							
	Total volume of UHPFRC to be produced in a concrete plant 15 km away: 40 m ³							
4	Protective plates for overpass piers on a highway							
	Swiss Alps							
	Prefabricated UHPFRC							
	Thickness 40 mm, height 3 m, width 2 m							