

Case	Application	Limit values for concrete composition according to SIA 262.051 (EN-206) 2021 edition (Table NA.6) or other recommendations						What other parameters or data on the concrete composition should still be determined? If so, what steps would be needed to do this?
		Cement type	Cement Dosage (kg/m <sup>3</sup> )	W/C (W/C <sub>eq</sub> )	Water dosage (L/m <sup>3</sup> )	D <sub>max</sub> (mm)	Minimum fines content (kg/m <sup>3</sup> )	
1	<b>Administrative building slab</b>  (prestressed concrete, thickness 0.25 m, concrete placed by crane)							
2	<b>Covered trench road (L=1.5 km) walls and top slab in reinforced concrete</b> pumped concrete, elements thickness of 0.50 to 1 m.  Switzerland, alt. 700 m.  Surveys indicate the presence of sulfated water in the soil, measured sulfates content = 1'150 mg/L							

\* For any concrete with high and/or special performance requirements, it is essential to carry out preliminary tests in order to define more precisely and optimize the mix-design, depending on the quality of the aggregates available, and to ensure that all requirements are met (on fresh concrete and on hardened concrete). **Note that there are always several possible responses to the composition of a specified concrete.**