

Case	Application	Limit values for concrete composition according to <b>SIA 262.051 (EN-206) 2021 edition (Table NA.6) or other recommendations</b>						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.**