Table 9.2: Partial factors: ultimate limit states for buildings

- 1	Action	Symbol	Situations	
Case ¹⁾				SKÁLI
Case A Loss of static equilibrium; strength of structural material or ground insignificant (see 9.4.1)	Permanent actions: self weight of structural and non-structural components, permanent actions caused by ground, ground-water and free water			SAFN
	- unfavourable - favourable	Yasup Yasup Yant	[1,10] ²⁾ [0,90] ²⁾	[1,00] [1,00]
	Variable actions - unfavourable	Ϋ́α	[1,50]	[1,00]
	Accidental actions	γ,		[1,00]
Case B ⁵⁾ Failure of structure or structural elements, including those of the footing, piles, basement walls etc., governed by strength of structural material (see 9.4.1)	Permanent actions 6) (see above) - unfavourable - favourable	YGsup YGini	[1,35] ³⁾ [1,00] ³⁾	[1;00] [1,00]
	Variable actions – unfavourable	Yα	[1,50]	[1,00]
	Accidental actions	YA		[1,00]
Case C ⁵⁾ Failure in the ground	Permanent actions (see above) — unfavourable — favourable	YGaup 4) YGint	[1,00] [1,00]	[1,00] [1,00]
	Variable actions unfavourable	Yα	[1,30]	[1,00]
	Accidental actions	YA		[1,00]

P: Persistent situation

T: Transient situation

A: Accidental situation

- 1) The design should be verified for each case A, B and C separately as relevant.
- 2) In this verification the characteristic value of the unfavourable part of the permanent action is multiplied by the factor [1,1] and the favourable part by the factor [0.9]. More refined rules are given in ENV 1993 and ENV 1994.
- 3) In this verification the characteristic values of all permanent actions from one source are multiplied by [1,35] if the total resulting action effect is unfavourable and by [1,0] if the total resulting action effect is favourable.
- 4) In cases when the limit state is very sensitive to variations of permanent actions, the upper and lower characteristic values of these actions should be taken according to 4.2 (3).
- 5) For cases 8 and C the design ground properties may be different, see ENV 1997-1-1
- Instead of using γ_0 (1,35) and γ_0 (1,50) for lateral earth pressure actions the design ground properties may be introduced in accordance with ENV 1997 and a model factor $\gamma_{\rm Sd}$ is applied.