

### Glossary

$f_{ck}$  = Characteristic compressive strength of concrete in  $N/mm^2$

$f_y$  = Characteristic tensile strength of steel in  $N/mm^2$

$\gamma_m$  = partial safety factor

$E_s$  = modulus of elasticity of steel.

Partial safety factor for Concrete  $\gamma_m$ : 1.5

Partial safety factor for steel  $\gamma_m$ : 1.15

**Characteristic strength of materials:** Characteristic strength of materials is the strength of materials below which not more than 5% test results are expected to fall.