

Glossary

Concrete: Concrete is the proper mix proportion of cement, fine aggregate and coarse aggregate with the designed water-cement ratio.

Reinforced Cement Concrete: If the concrete is reinforced with the materials like steel, wood, plastics etc. it will be called as reinforced cement concrete

Reasons for using steel as a only material in RCC:

1. Steel has more tensile strength than that of other materials
2. Coefficient of thermal expansion of steel is almost same as that of concrete
3. There is perfect bond between them.

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.