

Eurocode: Basis of structural design

BS EN 1990, also known as Eurocode, is the head document in the Eurocodes suite. It describes the principles and requirements for safety, serviceability and durability. It also provides the basis and general principles for the structural design and verification of buildings and civil engineering works, including geotechnical aspects. It is the first operational 'material-independent' design code. It needs to be used with all the other Eurocodes for design.

In BS EN 1990, the basic principles of structural design have been harmonised for European Community member states and, more importantly, for the principal construction materials (concrete, steel, masonry, timber, aluminium) and disciplines (fire, geotechnics, earthquake, bridge design etc.).

Related documents include: the National Annex to BS EN 1990; PP 1990, a guide to the structural Eurocodes for students of structural design; and the replaced British Standards BS 5400-1 and BS 5400-2.