

Template Factory Production Control Manual

EN 1090-1 STRUCTURAL STEELWORK





EN 1090 - Introduction

From 1st July 2014, CE Marking of structural steel and aluminium work for use in construction, as specified in EN 1090 will become mandatory under the Construction Products Regulation.

The scope of EN 1090 is very broad, it includes:

- Structural steel and aluminium components
- Fabrications and kits of parts manufactured from steel and aluminium
- Steel components used in composite steel and concrete structures

that are intended for permanent use in buildings, bridges, highways and other civil engineering structures.

These components or structures can be made from hot rolled or cold-formed materials or steel/alloy products produced with other technologies. They may be sections or profiles with various shapes, flat products (plates, sheet, strip), bars, castings, and forgings made of steel and aluminium materials.

They may be unprotected or protected against corrosion by coating or other surface treatment, e.g. anodising of aluminium.

It does not cover components for suspended ceilings and rails or sleepers for use in railway systems.

For other possible relevant harmonised standards please follow this link [ec.europa hEN's](#)

EN 1090 consists of the following three sections:

Part 1: Requirements for conformity assessment of structural components

Details of all the individual requirements, which must be achieved in order to CE mark. Different levels of stringency are given depending on the execution class.

Part 2: Technical requirements for steel structures

Part 3: Technical requirements for aluminium structures

Support the application of Part 1 by providing the technical requirements relevant to the manufacture of steel and aluminium components respectively.

In relation to CE Marking, the relevant clauses of the standard are:

1. Scope
2. Normative references
3. Terms and definitions



FACTORY PRODUCTION CONTROL MANUAL

EN 1090-1:2009+A1: 2011 Execution of steel structures and aluminium structures

GUIDANCE NOTES

This document is to be used as a reference and aid for adapting the FPC template (Conformance Limited document number – 4983/14D1024) to your business model whilst satisfying the minimum requirements of the standard.

This document should be read in conjunction with, EN1090 – Introduction (Conformance Limited document number – 4983/14D0466).

The following is a step-by-step explanation of what you need to add and/or how you will need to modify each section of the manual.

Front Page

- Add your Company name
- Add your Company address details
- Add the date of 1st issue
- Footer – if you use a document reference system, change the document reference accordingly (otherwise delete this reference)

Index

- Do not modify this manually. When you have completed the manual, right click anywhere in the index and select – Update Field – Update entire table. This will auto update the index.

Overview

- Add your Company name
- The paragraph beginning “The company manufactures...”. This is an explanation of your business activities and the method of structural design (see accompanying document EN 1090 – Introduction, Component Specification) – this should reflect your business methods.
- “Process for realisation...” This is a description of the steps through your manufacturing process – amend as necessary. The information presented is roughly what the standard requires as a minimum.

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