



Guidance document GD 30

May 2017

CE MARKING OF FABRICATED STRUCTURAL STEELWORK FOR INDUSTRIAL, COMMERCIAL AND AGRICULTURAL BUILDINGS

INTRODUCTION

The structural framework for industrial, commercial and agricultural buildings needs to be CE marked in order to comply with the harmonised European standard. This document summarises the guidance and advice for all sectors including the agricultural and rural buildings sector which is sometimes overlooked.

CE marking is a requirement for certain products traded in the European economic area. A CE mark on a building product is a declaration by the manufacturer that their product is compliant with the Construction Products Regulations (CPR) and the minimum requirements of EU countries. A CE mark shows that the product complies with all the relevant European legislation covering the product's health, safety or environmental requirements.

Not all products are required to be CE marked, but products which are covered by a harmonised European standard or a European Assessment Document (EAD), along with an associated European Technical Assessment (ETA), will have specific legislation that requires it.

BS EN 1090

The harmonised European standard covering fabricated structural steelwork is BS EN 1090: *Execution of steel structures and aluminium structures*. BS EN 1090-1 became mandatory on 1 July 2014. It is therefore a legal requirement for all fabricated structural steelwork including those designed and fabricated for agricultural and rural buildings to be CE marked.

BS EN 1090-1 - Requirements for Conformity Assessment of Structural Components

This describes how manufacturers can demonstrate that the components they produce meet the declared performance characteristics (the structural characteristics which make them fit for their particular use and function).

BS EN 1090-2 - Technical Requirements for Steel Structures

This specifies the requirements for the execution of steel structures to ensure adequate levels of mechanical resistance and stability, serviceability and durability. It determines the performance characteristics for components that the manufacturer must achieve and declare through the requirements of BS EN 1090-1.

ADDITIONAL RELEVANT STANDARDS

The following harmonised European standards apply to other steel products which may be used or incorporated into the final primary structural steel assembly:

- BS EN 10025-1 covering open sections and plates
- BS EN 10210-1 for hot finished hollow sections
- BS EN 10219-1 for cold formed welded hollow sections

In addition to the structural fabricated steel frame, many component parts which form part of the system or assembly of the roof and wall cladding should also carry the appropriate CE mark which demonstrates conformity to the CPR. More information about the relevant harmonised European standards for the component parts of the building envelope can be found at mcrma.co.uk/ce-marking/

CONCLUSION

CE marking is a visible sign that the product complies with all relevant product supply law, and its presence together with the Declaration of Performance (DoP) gives the product to which it is affixed presumption of conformity with relevant product safety directives.

MCRMA members manufacture products to National and International standards and operate QA measures, such as BS EN ISO 9001, to ensure materials, processes and procedures are maintained to the highest standard.

Individual manufacturers within the MCRMA should be contacted directly for specific information about their products, systems and services.

DISCLAIMER

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Published 11/05/17