

# EN 1090-1 / EN ISO 3834-2

## EC MARKING OF STRUCTURAL STEEL COMPONENTS

The European regulatory environment provides for EC marking in order to ensure the free movement of products in the union.

The EC marking is a harmonized methodology for evaluating, testing, calculating, expressing, guaranteeing and finally declaring the performance of a product.

The Standard is applied to companies that build metal structural products.

The scope of EN 1090-1 is therefore quite enough and includes steel and aluminium components used in different types of parts.

The parts can be used directly in the good or incorporated after they have been assembled.

This standard is applies to serial and non-serial production.



To differentiate the technical requirements according to the complexity of the components, the standard provide 4 execution classes, with more stringent technical requirements, from class 1 for so-called simple works, with moderate risks up to class 4, which refers to structures particularly complex with important safety implications such as road bridges.

The workflow to follow in order to affix the CE mark on your product varies depending on the type and the final use.

At ConSol we have implemented the Factory Production Process Control System (FPC) and the Tests in accordance with the Harmonized Reference Standard by certifying it all with a notified body.

We are now authorized to put CE mark for execution classes up to EXC 3 included, with the marking method 2, 3a, 3b.

