BS EN 1090 Structural Steel

Turning compliance into opportunity





and UKCA marking from January 1st 2022, structural steelwork and aluminium fall under the Construction Products Regulation (CPR), which means aluminium or structural steel CE marking must be secured to show compliance with EN 1090-1.

Do I need to comply to BS EN 1090?

The Construction Products Regulation (CPR) has mandated

that all construction products made from steel or aluminium, that fall into the scope of BS EN 1090, must be CE marked for

entry into the EU and UKCA marked into the UK.

If a company does not comply with CE marking or UKCA certification, and their products are sold in the EU (CE) or the UK (UKCA), covered by the appropriate harmonized European standard or technical assessment -



Did you know?

they are trading illegally.

the power to stop a business from trading and withdraw products until the company has shown that it complies with the Regulation. Real business benefits By complying with this legal requirement, you can also:

Show company-wide commitment to quality Drive business improvement If your products fall into the scope of BS EN 1090, and it's been

Eliminate waste with efficiency gains of up to 20%

Strengthen bids and exceed client expectations

Improve commercial quality awareness

and traceability of your products

Protect your business by providing tangible proof of the identity

Future-proof your business, increasing tender opportunities

established that you will need to CE/UKCA mark one or more of these products, the next task for you as a manufacturer is to determine which Execution Class you require.

your products fall into The products you produce will fall into a class category, from 1-4:

Understanding the 'Execution Class'



Class 1

Class 3

Design

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and qualified

Trained welders

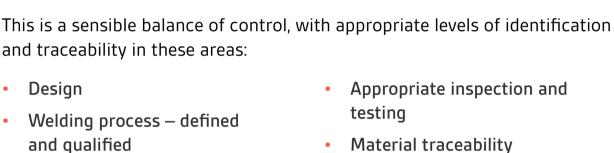
Class 4

Class 2

Typically includes buildings with between

2 and 15 floors, for example general

residential and commercial structures.



Final marking and identification

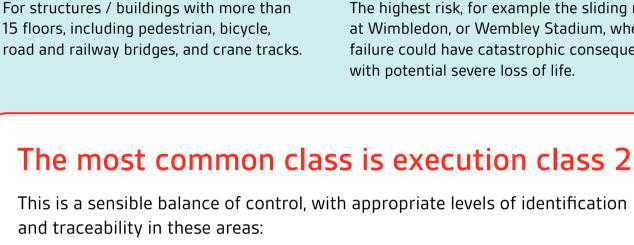
of your product

with potential severe loss of life.

The highest risk, for example the sliding roof

at Wimbledon, or Wembley Stadium, where a

failure could have catastrophic consequences,



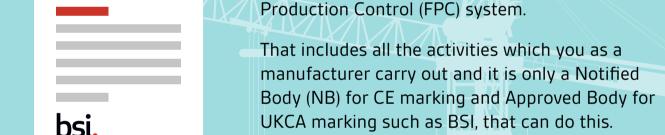
Welding process – defined



As part of achieving a CE/UKCA mark, you will also

Documented work

require third-party certification for your Factory



At BSI, we look at seven clauses which fall under two main areas:

The first step is to implement a formal FPC system. Your FPC is a collective term for all the activities that influence the conformity of your product.

Minimize risks

You may find that your insurance provider will not cover you if you don't have CE/UKCA marking for EN 1090, if any structure or part of a structure you supply, fails later in whole or in part.

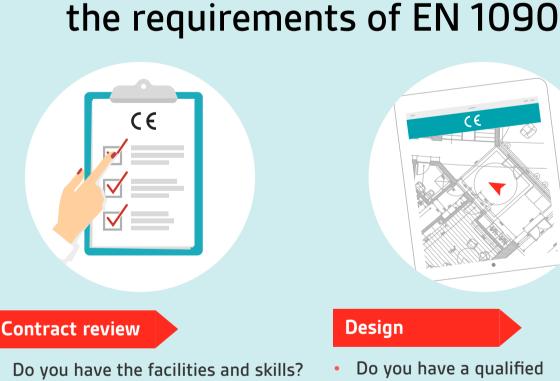
Personnel competency

construction products

When the product is complete and delivered to your client, it

must be accompanied by a physical document with the CE logo,

including information about the product and you the manufacturer.



What is your pricing process?

If there are changes — are these

changes are clear, and the costs

Do you have processes designed to

Do you have qualified welders who

cover your activities?

recorded?

Welding

calibration?

Stay protected You may find that your insurance provider will not cover you if you don't have CE/UKCA marking marking for EN 1090, if any structure or part of a structure you supply, fails later in whole or in part.

Design

Do you have a qualified structural engineer?

Do you have adequate

insurance cover?

material is the grade specified at the design phase? Do you undertake regular inspections to avoid costly errors?

- "Obtaining and
 - maintaining CE certificate for EN 1090 structural steel with BSI has enhanced quality and traceability systems, and improved our welding coordination and controls. The BSI Assessor for EN 1090 was very knowledgeable,



Best practice

Do you undertake periodic

non-destructive testing (NDT)?

Can you demonstrate that the

and expertize you can rely on.

there are benefits to certification that go beyond compliance, including better processes, better controls and better traceability. It's just as

"From our perspective

much about improving working

practices and professionalism."

Duncan Proctor, Managing Director,

Specialised Laser Products (SLP)

experienced and practicable and, understood our business." Paul Lamb, QESH Manager, Komatsu Mining Corp.

If you design and/or manufacture steel components to be sold in Europe, and your products are covered by a harmonized European Standard or a European Technical Assessment, you must CE or UKCA mark your products. CE marking to BS EN 1090 is a legal requirement – Since July 2014



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For more information visit:

...making excellence a habit.™

Whether you're looking for more information, or to get a quote, contact us today to start your journey and let us help you to meet the requirements of EN 1090 and the Construction Products Regulation (CPR) and the UK Conformity Assessed marking.

By working with us, you receive the added benefit of having a BSI expert to periodically validate that your business is operating as expected.

Factory Production Control Choose a Notified Body with the knowledge

Have BSI assess and certify your

work with those processes? Do you have welding plant Finishing processes Identifying as your product Win more business Aside from the law, it is becoming more common for major and smaller contractors – from builders to the rail industry – to demand EN 1090 from their suppliers.