



Construction Products Regulations 2013

UK Weighing Federation

Ian Turner

Review

–What is covered ?

–What must we do?

–How can we do it?



Construction Product Regulations-

What do they cover ?

- A construction product is:
- Any product
- Which is produced and placed on the market
- For incorporation in a ***permanent manner*** in a ***construction works***
- ***The performance of which has an effect on the performance of the construction works***
- As respects the basic requirements for construction works



Construction works

- Buildings and civil engineering works
- Means everything that is constructed or results from construction operations and is fixed to the ground. This term covers both buildings and civil engineering works.
- Likely to include weighbridges and platform machines
- Could include overhead track scales



Permanent

- This is clearly a question of fact
- Portable weighbridges- weighbridge hire will not be covered?
- Probably a question of intention at the design stage



The performance of which has an effect on the performance of the construction works

- 7 basic requirements for the performance of a construction works
- Mechanical resistance and stability
- Safety in case of fire
- Hygiene, health and the environment
- Safety in use
- Protection against noise
- Energy economy and heat retention
- **Sustainable use of natural resources**



What must we do?

- Instrument must be CE marked
- Instrument must be issued with a Declaration of Performance
- Must have a quality system approved by a notified body



How do we do this?

- Must demonstrate assessment and verification of constancy of performance (AVCP)
- Number of systems that a manufacturer must choose from to demonstrate compliance
- Systems 1 / 1+ / 2+ / 3/ 4
- The appropriate system for fabricated structural steel work is 2+



System 2+

- The manufacturer shall carry out:
- Determination of the product-type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product.
- factory production control.
- testing of samples taken at the factory in accordance with the prescribed test plan.



System 2+

- the notified production control certification body shall issue the certificate of conformity of the factory production control on the basis of:
- initial inspection of the manufacturing plant and of factory production control
- continuous surveillance, assessment and evaluation of factory production control.



How do we do this?

- Must demonstrate assessment and verification of constancy of performance
- Compliance with the Harmonised Standard EN1090
- Approval by a notified body



EN1090

- Four Execution Classes EXC1-EXC2-EXC3-EXC4
- The number rising as complexity and thus compliance strictness increases.
- EXC2 is the most common application
- Procedure for defining the execution classes



Summary of Requirements of EN1090

- Quality documentation (4.2.1)
- Identification, inspection documents and traceability of constituent products (5.2)
- Thermal Cutting (EN ISO 9013)(6.4.3)
- Shaping (6.5)
- Welding (7)
- Inspection, testing and repair after welding (12)



Welding

- Must comply with the requirements of EN-ISO 3834-3
- There must be a qualified welding procedure
- Welders: EN 2877-1
- Operators: EN1418



Welding coordinator

- Must be able to demonstrate experience and knowledge in the welding operations they supervise
- Must include familiarisation with relevant standards
- Formal qualifications are not essential but may be helpful
- The welding coordinator will be assessed by the notified body



Notified Body and Markings

- The procedures and processes must be audited by a notified body approved to undertake such approvals
- The instruments must be marked with a CE mark
- The construction product must be supplied with a Declaration of Performance (D o P)



The D of P and the CE mark

- CE mark must be visible , legible and indelible
- May be affixed to the packaging where this is not possible
- Must draw up a Declaration of Performance
- Must apply other markings to the construction products



Declaration of Performance

- The format of the D o P is Annex III of the Directive
- Other markings that must go on the instrument-
 - The name and the address of the manufacturer or a mark that can enable the mark to be identified
 - The unique identification code of the product type
 - The reference number of the Declaration of Performance
 - The level or class of the performance declared
 - The reference to the harmonised standard
 - The identification number of the notified body
 - The intended use as laid down in the harmonised standard



Implications

- Appears that a range of instruments that will be covered.
- Appears to be a very low awareness from the enforcement community
- Likely to be revealed in contract requirements



Thank you