



ASSOCIAZIONE COSTRUTTORI ATTREZZATURE DA LAVORO - TRABATTELLI - PONTI MOBILI - SCALE

Dicembre 2014

**A tutti gli associati ACAL
Loro sedi**

Oggetto: LA DIRETTIVA MACCHINA - IL MARCHIO CE (scale e trabattelli)

I prodotti a marchio CE sono definibili "sicuri" ed utilizzabili nel rispetto del 626/ DL81.

IL MARCHIO CE OBBLIGATORIO SU STRUTTURE METALLICHE FISSE

Dal 1 luglio 2014 diventa obbligatorio la certificazione CE per strutture metalliche fisse.

La marcatura CE delle strutture in acciaio e alluminio è disciplinata dalla nuova norma **UNI EN 1090-1:2012**. L'Unione Europea con la **Direttiva 89/106/CEE** ha stabilito che i **prodotti da costruzione** devono essere marcati CE secondo EN 1090 (fatta eccezione per prodotti per i quali esistono normative specifiche, e secondo quanto indicato dalla Commissione Europea nel prot. nr. CPR 07/04/3, allegato di seguito).

Il contesto normativo: La marcatura CE nasce dall'esigenza, nell'ambito della comunità europea, di permettere la libera circolazione dei prodotti da costruzione "CPD". La direttiva 89/106/CEE è stata recepita dall'Italia con Decreto del Presidente della Repubblica n. 246 del 21/04/1993 (246/93) e successiva modifica n. 499 del 10 dicembre 1997.

Il campo di applicazione: Si applica ai materiali da costruzione nella misura in cui valgono per essi i requisiti essenziali identificati di seguito.

Definizioni e Requisiti Essenziali:

Per materiale da costruzione si intende ogni prodotto fabbricato al fine di essere incorporato o assemblato in modo permanente negli edifici e nelle altre opere di ingegneria civile *e che abbia una funzione strutturale relativamente ad essi*".

Marcatura CE scale e trabattelli:

La marcatura CE può essere apposta soltanto se esiste una direttiva specifica di prodotto oppure se il riferimento ad una specifica norma tecnica armonizzata è stato pubblicato sulla gazzetta ufficiale della unione europea.

Per quanto riguarda scale e trabattelli non sussiste nessuna delle due precedenti condizioni; in particolare la direttiva sui prodotti da costruzione, non si applica ad opere provvisorie o attrezzature quali scale e trabattelli.

Non esiste alcuna altra direttiva comunitaria che prescrive l'obbligo di conformità a normative tecniche per scale e trabattelli, ne consegue che il marchio CE non può essere applicato a scale e trabattelli.

In buona sostanza non esistono scale e trabattelli a norma CE anche se spesso sono impropriamente richieste da disinformati acquirenti col proposito di acquistare prodotti a norma.

Distinti saluti.

ACAL

Il Presidente

Paolo Frigerio



**CASES WHERE THE CE MARKING IS NOT POSSIBLE ON THE BASIS
OF EN 1090-1**

**A) Steel and aluminium products which are not covered by the scope of EN 1090-1
therefore CE marking on the basis of EN 1090-1 is not possible:**

- Steel and aluminium products which are not produced in the “factory” of the manufacturer (**products made on the worksite are not covered by EN 1090-1**)
- Components of cast iron, of cast steel and steel forgings
- Rails and sleepers for railway systems
- Blind rivets
- Cabinets for cables and power supply installations
- Cables, ropes and wires
- Castings
- Components for suspended ceilings
- Doors
- Fences and railings
- Flagpoles
- Forgings
- Foundation bolts
- Gates
- Ladders
- Ornamentations
- Piles (non-fabricated)
- Pipelines and pipes
- Pressure vessels
- Rails or sleepers for railway systems
- Reinforcing steel for concrete or masonry
- Roof safety products incl. roof ladders and walkways
- Self-drilling and self-tapping screws
- Site based activities
- Structural components for cranes

- Structural components for offshore structures
- Structural components for wind turbine towers
- Traditional craft type and non-structural components (e. g. weather cocks, letter boxes, bicycle racks, fences).

B) Other products which, even if they are covered by EN 1090-1 they cannot be CE marked under that standard.

Products covered by EN 1090-1 have to CE marked after the coexistence period on the basis of EN 1090-1 **only if they satisfy all the following conditions:**

- they are intended to be used in works which are buildings or civil engineering works, and
- they are incorporated in a permanent manner in the construction works
- they have a structural function in relation to the construction work
- they are not covered by another specific harmonised EN, or by an ETAG or by an ETA
- they are construction products within the meaning of Article 2(1) of Regulation 305/2011

After applying the above criteria one arrives to the conclusion that the following steel and aluminium products can NOT be CE marked on the basis of EN 1090-1 for the following reasons:

B.1 Steel and aluminium products **intended to be used use in works which are not buildings or civil engineering works** e.g.:

- for the construction of off-shore oil platforms,
- for wind turbines and their supporting columns
- for the construction of oil refineries

B.2 Steel and aluminium products which are **not incorporated in a permanent manner** in construction works (e.g.):

- scaffoldings

B.3 Steel and aluminium products **which do not contribute to the satisfaction by the building (or by the civil engineering work) of Basic Work Requirement Nr. 1 Mechanical resistance and stability,** e.g.:

- supports for machines, or for other industrial equipment (because they support the machine not the building)

- cabinets for cables and power supply installations
- racking systems (e.g. storage selves)
- fences without structural role
- handrails / balustrades
- ladders
- ornamentations
- pressure vessels
- windows/doors and facade systems without structural role

B.4 Steel and aluminium products covered by other European technical specifications:

B.4.1 Steel and aluminium products specifically covered by harmonised standards.

In these cases, there is a specific standard other than EN 1090-1 which is (or will be) the basis for the DoP and for affixing the CE marking on the product.

The list of these standards is given below:

Product	Reference
Steel lighting columns	EN 40-5
Hangers and brackets for masonry	EN 845-1
Steel lintels	EN 845-2
Road parapets, crash barriers, crash cushions	EN 1317-5
Bearings and steel components used in bearings	EN 1337
Metal chimneys	EN 1856-1
Metal liners	EN 1856-2
Hot rolled steel sections	EN 10025-1
Stainless steel strip	EN 10088-4
Stainless steel bars, rods, wire, sections etc	EN 10088-5
Hot finished steel hollow sections	EN 10210-1
Cold-formed steel hollow sections	EN 10219-1
Hot-rolled steel sheet piling	prEN 10248-1
Cold formed steel sheet piling	prEN 10249-1
Steel casting for structural uses	EN 10340
Q and T steels	EN 10343
Workshop fabricated steel tanks	EN 12285-2
Traffic sign supports	EN 12899-1
Free-standing steel chimneys	EN 13084-7

Industrial, commercial and garage doors and gates without fire resistance or smoke control	EN 13241-1
Welding consumables	EN 13479
External blinds	EN 13561
Shutters	EN 13659
Curtain walling	EN 13830
Stairs as part of machinery	EN ISO 14122-3
Metal framing components for gypsum plasterboard systems	EN 14195
High-strength structural bolting assemblies for preloading	EN 14399-1
Self-supporting insulating panels (sandwich panels)	EN 14509
Self-supporting metal sheets for roofing, cladding and lining	EN 14782
Fully supported metal sheet for roofing, cladding and lining	EN 14783
Non-preloaded structural bolting assemblies	EN 15048
Aluminium and aluminium alloys - Structural products for construction works	EN 15088
Fire resistance and/or smoke control doors	prEN 16034

B.4.2 Steel and aluminium products covered by a **European Technical Approval Guideline** (ETAG) are exempted from the obligation to be CE marked on the basis of EN 1090-1.

For these products CEN has agreed in the past that no harmonized ENs could be elaborated and for this reason the Commission has addressed a mandate to EOTA requesting the development of ETAGs. A list of these relevant ETAGs is given in the table below:

Product	ETAG
Stair kits (not part of the structural frame)	ETAG 008
Prefabricated building units	ETAG 023
Metal frame building kits	ETAG 025
Steel parts of bridge joints	ETAG 032
Cladding kits	ETAG 034

The scope of the above ETAGs can be easily found by downloading the relevant ETAG from the site: www.eota.eu.

B.4.3 Steel and aluminium products for which **European Technical Approvals without ETAG** or for which **European Technical Assessments** have been issued are exempted from the obligation to be CE marked on the basis of EN 1090-1.

The full list of these products can be found in: www.eota.eu.