

FARECOGAZ

Application of for the Construction Products Regulation (EU) No 305/2011 and EN1090- 1, to the product steel or aluminum structures used as support structures for equipment & pipelines installed in NG regulating and metering stations (enclosed and open-air installations)

Foreword

EN 1090-1:2009+A1:2011 *Execution of steel structures and aluminum structures — Part 1: Requirements for conformity assessment of structural components*

This standard is applicable as an harmonised standard for the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC (CPR)

The definition of the scope of EN1090-1 need some clarifications. For this reason the European Commission published on the website of DG Enterprise & Industry, a list of products for which - at the level of the European Standards Committee - the exclusion from the scope of EN1090-1 is agreed.

(FAQ 31 [http://ec.europa.eu/enterprise/sectors/construction/faq/index_en.htm#Q2-15]

Two important elements need some considerations

On the basis of the Frequently Asked Question FAQ31, the CE marking has to be affixed on a construction product on the basis of the harmonised standard EN 1090-1:2009+A1:2011 when the following conditions are satisfied:

1. the product is a '**construction product**', in accordance with Article 2 of Construction Products Regulation (EU) 305/2011, means any product or kit which is produced and placed on the market for incorporation in a permanent manner in construction works or parts thereof and the performance of which has an effect on the performance of the construction works with respect to the basic requirements for construction works. Ref. EN 12186, Gas infrastructure. *Gas pressure regulating stations for transmission and distribution. Functional requirements*, EN 12279 *Gas supply systems. Gas pressure regulating installations on service lines. Functional requirements* and EN 1776 *Gas supply. Natural gas measuring stations. Functional requirements*.
2. the product is a "**structural construction**" product within the meaning of the Construction Products Regulation (EU) 305/2011, which means the product is intended to be incorporated in a permanent manner in construction works (buildings or civil engineering works), and the structural function is in relation to the construction work (i.e. its failure will affect the satisfaction of Basic Work Requirement 1₍₁₎).

On the basis of article 2.1 of Construction Products Regulation text, it is possible to make the following evaluations:

1. "**construction product**" is defined as *any product or kit which is produced and placed on the market for incorporation in a permanent manner in construction works or parts thereof and the performance of which has an effect on the performance of the construction works with respect to the basic requirements for construction works*. The structures (e.g.: skid for pipelines or single support for a filter) made of steel and/or aluminum, which are used in NG regulating and metering stations (enclosed and open-air installations) for supporting equipment & pipelines are not permanently incorporated in the construction works.
2. These structures **cannot also be considered structural products** within the meaning of the Construction Products Regulation (EU) 305/2011 because they have not a structural function in relation to the construction work (i.e. its failure will NOT affect the satisfaction of Basic Work Requirement 1 - Mechanical resistance and stability₍₁₎)

Furthermore, with reference to the following question, the **European Commission** has been sent its position (see conclusion below).

Question

Ref.: EN 12186 and EN 12279 technical standards

IS CPR AND EN1090 APPLICABLE TO THE PRODUCT 'STEEL OR ALUMINUM STRUCTURES USED AS SUPPORT STRUCTURES FOR EQUIPMENT AND PIPELINES INSTALLED IN NATURAL- REGULATING AND METERING STATIONS (ENCLOSED AND OPEN-AIR INSTALLATIONS)' ?

Consideration

On the basis of article 2.1 of Construction Products Regulation, construction product is *any product or kit which is produced and placed on the market for incorporation in a permanent manner in construction works or parts thereof and the performance of which has an effect on the performance of the construction works with respect to the basic requirements for construction works.*

The structures (e.g.: skid for pipelines or single support for a filter) made of steel and/or aluminum, which are used in natural-gas regulating and metering stations (enclosed and open-air installations) for supporting equipment & pipelines are not permanently incorporated in the construction works.

These structures cannot also be considered structural products within the meaning of the Construction Products Regulation (EU) 305/2011 because they have not a structural function in relation to the construction work (i.e. its failure will affect the satisfaction of Basic Work Requirement 1 - Mechanical resistance and stability¹).

Conclusion

The structures (skids or single supports) made of steel and aluminum used as support for equipment and pipelines installed in natural-gas regulating and metering stations are not construction products within the meaning of the Construction Products Regulation (EU) 305/2011 and are not covered by the scope of EN1090.

From above statements, it is possible to make the following evaluations:

FARECOGAZ position is that structures (skids or single supports) made of steel and aluminum used as support for equipment & pipelines installed in NG regulating and metering stations are NOT construction products within the meaning of the Construction Products Regulation (EU) 305/2011 and are NOT covered by the scope of EN1090.

¹ The construction works must be designed and built in such a way that the loadings that are liable to act on them during their constructions and use will not lead to any of the following:

- (a) collapse of the whole or part of the work;
- (b) major deformations to an inadmissible degree;
- (c) damage to other parts of the construction works or to fittings or installed equipment as a result of major deformation of the loadbearing construction;
- (d) damage by an event to an extent disproportionate to the original cause.