

PCs Corbel a Peikko product

September, 02, 2016

Statement, use of PCs Corbel in Denmark.

This statement concerns the use of PCs Corbel, beam support, in Denmark.

It is not required that this product has a CE marking. The production fulfills the requirement in [6] for the steel part of the product and in [7] for the welding of reinforcement. The quality assurance of the production does also fulfill the requirements.

The product and the design of the product fulfill the requirement in the Danish building regulations for the utilization in Danish buildings.

This statement is based on the following documentations and conclusions.

Background documentation

The basis for the statement is

- [1] PCs Konsol, Konsolsystem til understøtning af beton- og stålbjælker, Teknisk Manual, DK, 09/2016
- [2] PCs Corbel, Calculations, EC + DK Annex (03.10.2012)
- [3] Imarco M, Product specification, received June 2012.
- [4] DS/EN 1990:2007 and DS/EN 1990 DK NA:2013
- [5] DS/EN 1993-1-1+AC:2007 and DS/EN 1993-1-1 DK NA:2015
- [6] DS/EN 1090-2+A1:2011
- [7] DS/EN ISO 17660-1:2006
- [8] DS/EN 1992-1-2+AC:2013 and DS/EN 1992-1-2 DK NA:2008
- [9] DS/EN 1993-1-2+AC:2007 and DS/EN1993-1-2 DK NA:2007
- [10] Ovako Bar OY AB, Management System Certificate, ISO 9001:2008, 14. May 2010
- [11] PCs Corbel, Exposed to action of fire, Calculations, EC + DK Annex (07.03.2012)

Conclusions of the documentation

The static calculations adapts the correct values for partial safety factors for a structure in CC2 and CC3 according to DS/EN 1990:2007, DS/EN 1990 DK NA:2013, DS/EN 1993-1-1+AC:2007 and DS/EN 1993-1-1 DK NA:2015.

The design capacity of the PCs Corbel is in accordance with the general principles in [5].

The design capacity during standard fire situation is in [11] documented in accordance with the principles in [8] and [9].

The strength and quality of the Imarco M product is judged to be sufficient in this context with the specifications in accordance with [3] and [10].

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