

KOMO[®]

quality declaration

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Issued	2016-03-31	date	2015-01-01
Valid to	Indefinite	Page	1 of 3

Liquid-tight Concrete Construction Elements

Waco B.V.

KIWA STATEMENT

This quality declaration for product certification was issued in accordance with the Kiwa Product Certification Procedure and is based on BRL 2813 'Concrete Construction Elements' dated 1 June 2006, including the amendment dated 31 December 2014.

The quality system and the product characteristics that go with the concrete construction elements are controlled periodically.

Based on the above, Kiwa declares that the legitimate confidence exists that the concrete construction elements supplied by the certificate holder will meet the requirements set out in the BRL upon delivery, providing that they bear the KOMO[®] mark as described in this quality declaration.

The essential characteristics set out in the applicable European standard are not part of this declaration.



Luc Leroy
Kiwa

The quality declaration has been added to the list on the website of Stichting KOMO:
www.komo.nl.

Recommendation: See www.kiwa.nl to find out whether this quality declaration is valid.

Certificate holder

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The following has been assessed:
quality system
product
Periodic check

Liquid-tight Concrete Construction Elements

TECHNICAL SPECIFICATIONS

Subject

The liquid-tight concrete construction elements are intended to be used in building structures for a reference period of 50 years.

Product characteristics

The product meets the product requirements set out in BRL 2813.

The following concrete construction elements fall under this quality declaration:

- Concrete construction elements in accordance with NEN-EN 1992-1-1, NEN 6722, NEN-EN 206-1 and NEN 8005.
- Concrete construction elements made of self-compacting concrete in accordance with NEN-EN 1992-1-1, NEN 6722 (with the exception of § 12.4 'Compacting of fresh concrete'), NEN-EN 206-1 and NEN 8005.

The liquid-tight construction elements consist of (non-)reinforced concrete and/or prestressed concrete.

The liquid-tight concrete construction elements conform to the additional product requirements in section 5.4 of BRL 2316. The liquid penetration characteristic of the concrete is laid down in a document certified by Kiwa, which is included in the certificate holder's technical documentation.

Further specifications for the products are set out in the drawings approved by the buyer or certified by the company with the approval of the buyer, whereby additional information pertaining to allowable crack widths, structure, colour, smoothness, dimensional tolerances and the like may be provided.

Marks

The products are marked with the adjacent KOMO[®] mark. The mark consists of: a label, stamp or sticker on the product.



Required indications:

- manufacturer brand or name;
- production date;
- element number and product number that match the related drawing.

DRAWINGS AND CALCULATIONS

Upon order acceptance, the certificate holder and the client agree to carry out the tasks and responsibilities regarding the calculations and drawings of the concrete construction elements according to one of the categories in Annexe 8 to the Kiwa-Criteria 73.

In addition to NEN-EN 1992-1-1, calculations must be made for each liquid-tight construction element to ensure compliance with section 6.5.3 of CUR Recommendation 65.

For more information, see www.kiwa.nl/betonelementen.

The drawings and calculations made by or on behalf of the certificate holder will state the category of the corresponding project in addition to bearing the logo of the certificate holder.

Explanation

The certifying body does not check the calculations in their entirety but performs a random check on the following aspects:

- the actual execution of the agreed tasks by the certificate holder;
- the correct processing of the agreed assumptions used in the calculations;
- the correct processing of the calculation results in the drawings.

PROCESSING

The manufacturer has agreed with Kiwa to assure the quality of the product after its final inspection in the factory until it is delivered to the delivery site.

The manufacturer will make sure that the buyer is given all of the relevant documentation, such as guidelines for handling and use, product certificates, warnings and the like at the time of delivery.

The manufacturer undertakes to ensure the correct contents of this documentation.

SUGGESTIONS FOR THE BUYER

Upon delivery, make sure that:

- you are receiving the product you ordered;
- the mark and the way in which the mark is applied are correct;
- the products do not show any visible defects as a result of transport and the like.

If you reject the products based on the aforementioned, please contact:

- Waco B.V.
- and, if necessary:
- Kiwa Nederland B.V.

Liquid-tight Concrete Construction Elements

See the manufacturer's processing instructions for information on the correct storage, transport and processing method.

The correctness of the performance of the essential characteristics will not be checked under this quality declaration.

The statements in this quality declaration may not be used to replace the CE marking and/or the corresponding mandatory Declaration of Performance.

LIST OF MENTIONED DOCUMENTS*

BRL 2813	Concrete construction elements
BRL 2316	Liquid-tight concrete construction elements
Criteria 73	Requirements to be set for the quality system for a product certificate for precast concrete structures.
NEN-EN 206-1	Concrete - Part 1: Specifications, properties, production and conformity.
NEN-EN 1992-1-1	Eurocode 2: Design and calculation of concrete structures - Part 1-1: General rules and rules for buildings, November 2011
NEN 6722	Regulations for concrete: Execution.
NEN 8005	Dutch addition to NEN-EN 206-1: Concrete - Part 1: Specifications, properties, production and conformity.

* For the correct version of the above-mentioned documents, please see the last amendment to BRL 2813.