



Supplementary terms and conditions for Certification of Cement for Industrial Use	Date	16-06-2017
	Page	1 of 3
	Edition	1
Sign: JBAD		

**SUPPLEMENTARY TERMS AND CONDITIONS FOR CERTIFICATION OF CHLORIDE CONTENT IN CEMENT FOR INDUSTRIAL USE**

**0. General**

The present supplementary regulations for the certification of cement for industrial use apply as addenda to Dancert's General Terms and Conditions for Certification, Inspection and Approval (hereinafter "General Terms and Conditions"), cf. General Terms and Conditions, Item 0.3.

The present supplementary regulations are not intended to apply to cement that is sold as construction material, cf. Construction Products Regulation.

Certificates issued under the present supplementary regulations cannot be cited for purposes of accreditation; cf. General Terms and Conditions Item 8.

**1. PURPOSE**

The purpose of the certification of cement for industrial use is to meet concrete industry requirements regarding the reliable documentation of cement for industrial concrete production, including detailed documentation regarding the properties that are of importance to the properties of industrially produced concrete.

**2. CERTIFICATION SYSTEM**

The certification system comprises the following:

- a) Documentation of certification audit as per EN 197-1
- b) Type testing
- c) Evaluation of products and production control in accordance with certification requirements
- d) Decision regarding certification
- e) Documentation for periodic surveillance audits as per EN 197-1
- f) Semi-annual reporting of internal inspection results to Dancert, stating scope, date and time as specified in the form below
- g) Periodic audit testing of substances collected 6 times annually by Dancert
- h) Renewal of certificates every 3 years.

Period (normally 12 months)	Submission due date
12 months up to 30 June	15 August, same year
12 months up to 31 December	15 February, following year

**3. CERTIFICATION BASIS**

The certification shall be performed in accordance with Dancert's General Terms and Conditions for Certification, Inspection and Approval with respect to:

- a) The requirements in these supplementary regulations
- b) EN 197-1
- c) DS/INF 135



## 4. REQUIREMENTS FOR CERTIFIED PRODUCTS

### 4.0 The manufacturer shall determine itself which properties it wishes to be declared

If there is knowledge, suspicion or doubt as to whether other impurities may be present, the enterprise must examine the material for the relevant substances and inform Dancert thereof.

#### 4.1 Chloride content

Chloride content shall be determined as per EN 196-2

#### 4.2 Sulphate resistance

Determined, classified and marked as described in DS/INF 135

#### 4.3 Alkali content

Determined, classified and marked as described in DS/INF 135

## 5. REQUIREMENTS FOR MANUFACTURER'S PRODUCTION CONTROL

### 5.1 General

The producer shall establish and maintain a documented system that ensures compliance with the requirements in these regulations and Dancert's general provisions.

### 5.2 Documentation requirements

The enterprise's documented system must describe at least the following:

- a) Responsibilities and powers of authority within the enterprise
- b) Input materials
- c) The enterprise's production control, including the ongoing internal testing and inspections
- d) Maintenance and calibration of measuring and testing equipment
- e) Handling of deviant products
- f) Handling of complaints and corrective actions
- g) Product traceability
- h) Storage, marking and delivery of the certified product

A system for maintaining accredited certification as per EN 197-1 will be sufficient to document the foregoing. In such cases, requirements will be imposed solely with regard to procedures pertaining specifically to the declared properties.

### 5.3 Internal monitoring

The enterprise's internal monitoring must fulfil the testing frequency requirements described in DS/INF 135 for cements categorised as EA. Internal monitoring must cover all declared properties, cf. Item 4.

## 6. CERTIFICATION AUDIT

The following shall be reviewed in the certification audit:

- a) Fulfilment of product requirements
- b) Fulfilment of production control requirements

An audit as per EN 197-1 may serve as the basis for a certification audit to the extent that the audit covers the declared properties.

In addition, samples for type testing shall be collected.

**7. TYPE TESTING****7.1 General**

All tests shall be performed using material from the same sample collected by Dancert. Sub-samples shall be analysed by the producer, using normal internal monitoring procedures.

Audit testing must be performed as accredited testing, and must include testing of all declared properties; cf. Item 4.

**8. SURVEILLANCE AUDIT**

Ordinary audits as per EN 197-1 may serve as the basis for ordinary audits to the extent that the audit covers the declared properties.

**9. COMPARATIVE TESTING**

Comparative testing shall be performed based on internal monitoring results and periodic surveillance testing; cf. Items 2.f and 2.g

Documentation of compliance shall be based on the principles described in DS/INF 135.