



**Specific Rules for Batch Certification of Light-weight Masonry Blocks
As Per DMS 1: Part 1: 2010**

Dubai Central Laboratory- Inspection and Certification Section

Doc. Ref : RD-DP20-1101 (IC)

Rev. No.: 7

Issue Date :05-07-2010

Page 1 of 4

Issue Date	Rev. No.	Summary Of Amendments
18/01/2004	0	Draft for comments
27/01/2004	0	2 nd Draft for comments
05/02/2004	0	Final draft
09/02/2004	1	Issue for use
16/05/2004	2	Amended as per the revised standard DMS 1 P2:2004 AMD 1
07/02/2008	3	Updating of signatories and format.
01/05/2008	4	Clause 7.2.3 testing density for each sample is removed and included under additional testing every three months
12-07-2009	5	Document reference number and format is changed according to the new IMS. Test methods are removed, (in accordance with the test methods specified in the Standard Specifications).
26-10-2009	6	Revise the frequency of testing from three months to six months (clause 7.3)
05-07-2010	7	Aligned with the latest version of DMS 1 Part 1 Masonry blocks

Prepared by

Authorized by

Note: Printed copy of this document shall be treated as 'Uncontrolled'. Always refer the controlled version Online

**Specific Rules for Batch Certification of Light-weight Masonry Blocks
As Per DMS 1: Part 1: 2010**

Dubai Central Laboratory- Inspection and Certification Section

Doc. Ref : RD-DP20-1101 (IC)

Rev. No.: 7

Issue Date :05-07-2010

Page 2 of 4

1. INTRODUCTION

- 1.1 This document contains the specific rules for the implementation of the DM Third Party Product Certification System Through Batch Testing as applied to the specific product(s) identified herein, taking into consideration the applicable normative references (Standard Specification or regulations), as well as the unique characteristics and production method for that product (or group of products).
- 1.2 The applicant shall comply with these specific rules, **and** with those already mentioned in the "General Rules for DM Third Party Product Certification System Through Batch Testing" (**RD-DP20-1001**).

2. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 2.1 Product name: Pre-cast concrete light-weight masonry blocks
- 2.2 Applicable standard/Normative reference: DMS 1: Part 1: 2010 Specification for precast concrete blocks, Masonry blocks.

3. DEFINITION OF TERMS

The definitions given in **RD-DP20-1001**, **DMS 1: Part 1: 2010**, and, in addition, the following shall apply:

- 3.1 Independent Testing Laboratory - Dubai Central Laboratory Department or independent testing laboratory recognized by the DM Certification Body.
- 3.2 Standard Specification – **DMS 1: Part 1: 2010** Specification for precast concrete blocks Masonry blocks.
- 3.3 Lot – is equivalent to 1 batch of product. This terminology is being used in order to make it consistent with the terminology used in the **DMS 1: Part 1: 2010**

4. GENERAL REQUIREMENTS

- 4.1 The supplier shall have a valid license (issued by Dubai Department of Economic Development) to supply the product.
- 4.2 The supplier shall have a factory/yard within Dubai Emirate wherein products subject to certification will be stored and where sampling shall take place.
- 4.3 The supplier shall be registered with the DM Certification Body.

5. REGISTRATION OF THE SUPPLIER

- 5.1 Documents required to be submitted for registration:
- Filled application form;
 - Valid trade/industrial license issued by the Dubai Department of Economic Development;
 - Factory/yard lay-out showing location where products subject to certification are stored;
 - Product description (lot size, bundles per lot, and x-y-z layout of bundles);
 - Proposed product labeling and numbering system for traceability of the lots being certified;
 - Proposed product identification mark;(only for factories located in Dubai);

Prepared by

Authorized by

Note: Printed copy of this document shall be treated as 'Uncontrolled'. Always refer the controlled version Online



**Specific Rules for Batch Certification of Light-weight Masonry Blocks
As Per DMS 1: Part 1: 2010**

Dubai Central Laboratory- Inspection and Certification Section

Doc. Ref : RD-DP20-1101 (IC)

Rev. No.: 7

Issue Date :05-07-2010

Page 3 of 4

- Copy of the factory/yard register format.

5.2 Items to be verified during the initial factory/yard inspection:

- Visual verification of the factory/yard and the lay-out of the blocks in the yard;
- Visual verification of the identification system for the lots (tags or labels on the bundles, and the numbering system for the lots).
- Visual verification of the product identification mark (applied on the blocks).

5.3 DM-Certification Body shall carry out initial testing of the product in accordance with the testing procedure specified in the Standard Specification. The DM-Certification Body shall draw random samples from the factory and submit the samples at an Independent Testing Laboratory for the following tests:

- a. Dimension
- b. Net Density
- c. Chloride and Sulphate
- d. Compressive strength
- e. Thermal conductivity (Only for blocks intended to be used in elements subject to thermal requirements).

The results of testing shall meet the requirements as per the Standard Specification.

5.4 After satisfying the above requirements, the establishment shall be informed officially and shall be included in the list of registered Suppliers for this certification scheme. The establishment can start submitting requests for certification of specific lots.

6. REQUEST FOR CERTIFICATION

- 6.1 Prior to submitting the request for certification, the supplier shall prepare the lots in the yard in accordance with the approved product description, and identified in accordance with the product labeling and numbering system.
- 6.2 The Supplier shall submit a request for certification for each lot of the product. The request form shall be filled up and faxed to Inspection and Certification Unit DCLD on the day prior to the proposed sampling date.

7. SAMPLING AND TESTING

- 7.1 A representative sample shall be selected in accordance with a random sampling plan from the lot that is subject to certification. The number of specimen (blocks) to be collected shall be in accordance with the Standard Specification.
- 7.2 The sample shall be submitted for testing at the Independent Testing Laboratory. Tests to be carried out for each sample are as follows.

- a. Compressive strength
- b. Dimension

7.3 Additional test(s) to be carried out on one sample every six months:

- a. Chloride and Sulphate
- b. Thermal conductivity (if applicable)
- c. Gross Density (whenever required)

Prepared by

Authorized by

Note: Printed copy of this document shall be treated as 'Uncontrolled'. Always refer the controlled version Online

**Specific Rules for Batch Certification of Light-weight Masonry Blocks
As Per DMS 1: Part 1: 2010**

Dubai Central Laboratory- Inspection and Certification Section

Doc. Ref : RD-DP20-1101 (IC)

Rev. No.: 7

Issue Date :05-07-2010

Page 4 of 4

7.4 The result of a particular test is considered "PASSED" if it meets the requirements as given in the Standard Specification. If not, it is considered as "FAILED".

7.5 If the result is "FAILED", the client is given one chance for a retest by taking another sample from the same lot and carrying out the same test where the result is "FAILED".

NOTE: If the initial testing described in clause 5.3 was carried out on samples drawn from a defined lot, the results of the initial testing may be used to certify that particular lot.

8. ISSUE OF CERTIFICATE OF CONFORMITY

8.1 If the results of the above-mentioned tests are all "PASSED", a Certificate of Conformity shall be issued for the particular lot where the sample was taken.

8.2 If one or more of the results, after carrying out the retest, is "FAILED", a Certificate of Non-Conformity shall be issued for the particular lot.

9. SURVEILLANCE

9.1 DM Certification Body shall carry out a planned surveillance of the product in the market by taking samples from construction sites where the certified products are being used. The samples shall be taken to an Independent Testing Laboratory for verification testing to ensure that only certified products are used in the field.

9.2 In case of non-compliance found during surveillance, appropriate action shall be taken in accordance with the General Rules clause 11 "Suspension and Withdrawal of Registration". A supplier whose registration has been suspended or withdrawn shall not be allowed to submit any product for certification.

10. FEES

10.1 The DM Certification Body shall charge the following fees in accordance with the fee schedule:

Sampling Fee
Travel time fee
Certification fee

10.2 The DM Certification body shall send an Invoice for any certification service rendered to the Supplier. Fees shall be paid to Dubai Central Laboratory Department.

10.3 The client shall pay the testing fees directly to the Independent Testing Laboratory that carried out the tests.

Prepared by

Authorized by

Note: Printed copy of this document shall be treated as 'Uncontrolled'. Always refer the controlled version Online