

 GOVERNMENT OF DUBAI	<b>Organization/Unit:</b> إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	<b>Document Title:</b> Specific Rules for Batch Certification of Precast Filler Blocks as per LO (44) 1990, LO (1) 2012 and DMS 1 Part 2	عنوان الوثيقة:	
	<b>Doc Ref.</b> DM-DCLD-RD-DP20-1110 (IC)	رقم الوثيقة :	

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17/04/2017	0	Draft for comments
13/06/2017	0	Final draft
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Date of Issue : 27/03/2019	Rev. No. : 02
General / عام : Level of Confidentiality / درجة السرية	Page 1 of 4

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## 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: Precast concrete Filler blocks (Normal & Light Weight)
- 2.2 Applicable standard/Normative reference: Local Order 44/1990 on Specifications for Concrete Blocks Used in the Emirate of Dubai and its related Administrative Orders, and as amended by Local Order 1-2012.  
DMS 1: Part 2 - 2011 Specification for Precast Concrete Blocks – Filler Blocks

## 3. DEFINITION OF TERMS

The definitions given in **RD-DP20-1001**, **DMS 1: Part 2** 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 –Specification for precast concrete filler 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 2
- 3.4 DM Certification Body: Product Conformity Assessment Section/PCAS-DCLD.

## 4. GENERAL REQUIREMENTS

- 4.1 The supplier/client shall have a valid license (issued by Dubai Department of Economic Development) to supply the product.
- 4.2 The supplier/client 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/client shall register as User of the DM SMART SERVICE – Block Batch Certification

Approved by HOU	Authorized by PCASM
Date of Issue : 27/03/2019	Rev. No. : 02
General / عام : Level of Confidentiality / درجة السرية	Page 2 of 4

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 GOVERNMENT OF DUBAI	<b>Organization/Unit:</b> إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
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## 5. REGISTRATION OF THE SUPPLIER/CLIENT

- 5.1 Documents required to be submitted for online registration thru (Accela):
- Filled Application Form
  - 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);
  - 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 DMS 1 P2 requirements. The DM-Certification Body shall draw random samples from the factory/yard and submit the samples at an Independent Testing Laboratory for the following tests (in accordance with the test methods specified in the Standard Specifications):-
- a Dimension
  - b. Net Density (to be declared initially by the manufacturer for each type and configuration of its Masonry blocks )
  - c. Compressive strength
  - d. Chloride and Sulfate
  - e. Drying Shrinkage
  - f. Thermal conductivity (whenever applicable)

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

- 5.4 After satisfying the above requirements, the supplier/client shall be included in the list of registered suppliers/clients for this certification scheme. The establishment can start submitting online requests for certification of specific lots.

## 6. REQUEST FOR CERTIFICATION

- 6.1 Prior to submitting the request for certification, the supplier/client 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/client shall submit online request for certification for each lot of the product 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. Routine tests to be carried out for each sample are as follows.

Approved by HOU	Authorized by PCASM
Date of Issue : 27/03/2019	Rev. No. : 02
General / عام : Level of Confidentiality / درجة السرية	Page 3 of 4

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- a. Net Density
- b. Dimension

- 7.3 Additional tests (Full testing as required under clause 5.3) to be carried out every three months on both normal weight and light weight Filler Blocks from each registered supplier/client.
- 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 of the routine testing (clause 7.2) is "FAILED", the client has the option to retest the failed product from the same lot and carrying out the same test where the result is "FAILED".
- 7.6 If any of the results of non-routine tests "FAILED" in the additional tests (clause 7.3), that particular test will be shifted to the routine test (clause 7.2) for the next lot. This test will remain in the routine test category until the result is "PASSED", after which, the requirements of clause (7.3) will re-apply.

## 8. ISSUE OF CERTIFICATE OF CONFORMITY

- 8.1 If the results of the above-mentioned tests are all "PASSED", an online 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", an online Certificate of Non-Conformity shall be issued for the particular lot.
- 8.3 In case of a "FAILED" result in routine test, the client may waive to carry out retest online (clause 7.5) in which case a Certificate of Non-Conformity shall be issued.

## 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.
- 9.1 In case of non-compliance, the provisions in the Local Order No. 44 and as amended in LO 1:2012 shall be applied, in addition to 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 online fees in accordance with the fee schedule:
  - Sampling Fee
  - Travel time fee
  - Certification fee
- 10.2 Testing fees shall be paid directly by client to the Independent Testing Laboratory that carried out the tests.
- 10.3 Fees shall be paid online by the supplier/client thru the agreed online payment channels.

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General / عام : Level of Confidentiality / درجة السرية	Page 4 of 4

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