

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Acoustic Comfort as per Al Sa'fat – Dubai Green Building System & relevant Standard Specification	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2219 (IC)	رقم الوثيقة :	

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Issue Date	Rev. No.	Summary Of Amendments
30-06-2022	0	First draft for comments
31-08-2022	0	Final draft
29-11-2022	1	Issue for use
27-03-2023	2	Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and document title has been revised accordingly. Adding reference to Dubai Building Code applicable clauses and relevant additional references. Use of New DM Logo

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## 1. INTRODUCTION

- 1.1 This document prescribes the specific rule for certification of the product(s) as identified herein, in accordance with the requirements of DM Third Party Product Certification Scheme Through Factory Assessment, taking into consideration the applicable normative references and standard specification, in addition to the requirements for conformity evaluation, as stated below. In addition to the General Rules for Verification and Attestation System (Type N), as applicable and stated within this specific rules.
- 1.2 The applicant/client shall comply with this specific rule, and to all provisions under the **“General Rule for DM Third Party Product Certification Scheme Through Factory Assessment”** DM-DCLD-RD-DP21-2001 (IC) or **DM-DCLD-RD-DP33-6001 (IC) “General Rules for Verification and Attestation Service”**, where applicable.
- 1.3 This specific rule **is an integral part of the general rules** and both shall always be read together.

## 2. SCOPE

- 2.1 This specific rule applies to acoustic comfort materials in accordance with the related requirements and Specifications under the relevant clauses of the below applicable standard specification.
- 2.2 This specific rule applies to the DCLD Certification of acoustic comfort materials and noise reduction materials for buildings (design of new buildings, or refurbished buildings undergoing change of use).
- 2.3 Exemptions - This specific rules does not cover the materials used as sound insulation and noise reduction used for the following applications:
- auditoria and cinemas;
  - vibration control, except where it is evident in the form of radiated sound; or
  - noise that breaks out from the building that might affect external receptors
- 2.4 This specific rule does not -by itself- permit the use of the below product in the construction sites. However, it does provide the necessary general conformity assessment criteria, which are required for the evaluation and issuance of the certification and the authorization of the use of the DCLD Conformity Mark. Other relevant requirements issued by the regulatory bodies if any; shall always be fulfilled.

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### 3 PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

3.1 Product name: Acoustic Comfort materials

3.2 Applicable standard/Normative reference: Al Sa'fat – Dubai Green Building System-2nd edition, January 2023 (Clauses (403.01, 403.02, 403.03, 701.01) and Dubai Building Code (H.4.5, H10.3, K.10.1.2, K10.6, K.10.2.7, K.10.2.11, H.4.5, H5.7, H10.4 and H.5.11.

BS 8233: 2014 – Guidance on sound insulation and noise reduction for buildings.

3.3 Additional reference:

ISO 9001 Quality Management System – Requirements

ISO 19011 Guidelines for Auditing Management Systems

Ch. 49, Table 1 of the ASHRAE HVAC applications handbook.

### 4 DEFINITION OF TERMS

4.1 In addition to the definitions given in BS 8233, Al Sa'fat - Dubai Green Building System and the General Rule of the scheme [DM-DCLD-RD-DP21-2001 (IC)], the following shall apply:-

4.1.1 Standard Specification – Al Sa'fat – Dubai Green Building System-2nd edition, January 2023 (Clauses (403.01, 403.02, 403.03, 701.01) and Dubai Building Code (H.4.5, H10.3, K.10.1.2, K10.6, K.10.2.7, K.10.2.11, H.4.5, H5.7, H10.4 and H.5.11.

BS 8233: 2014 – Guidance on sound insulation and noise reduction for buildings.

### 5 REQUIREMENTS FOR INITIAL CERTIFICATION

5.1 The process of application, initial assessment and product sampling shall be in line with the related provisions in the relevant general rule and the standard specifications.

5.2 The client for Type 5 certification scheme shall have a quality assurance laboratory to carry out control testing to ensure that the products comply with the requirements of the standard specification. As a minimum requirement, the laboratory shall have the following testing facility to check the following properties:

a. Dimensional and density measurement devices

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بيانات مفتوحة / OPEN DATA

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b. Mass measurements apparatus

### 5.3 Product Evaluation and testing (Type 5)

#### 5.3.1 Company Declaration

5.3.1.1 The manufacturer shall submit to DCLD- CQPS a declaration of product specification subject for certification. This shall include but not limited to:

- Type of material
- Dimensions & Density
- Application of the material to be used as acoustic / sound insulation.

5.3.2 Sound insulation and noise reduction materials shall comply with the applicable clauses as per the Requirements of ALSA'FAFT, Dubai Building code in addition to the following :-

5.3.2.1 Materials used as sound insulation to control external noise sources shall comply with clause 6 of BS 8233: 2014.

5.3.2.2 Materials used as sound insulation as per the specific types of building shall comply with clause 7 of BS 8233: 2014.

5.3.2.3 Materials used as sound insulation in a building shall comply with clause 8 of BS 8233: 2014.

5.3.2.4 Materials used as sound insulation to control noise from building services shall comply with clause 9 of BS 8233: 2014.

5.3.2.5 Materials used for acoustic comfort insulation shall comply also with clause 701.01 of Al Sa'fat – Dubai Green Building System (See also relevant clause in the general rules)

5.3.3 During initial evaluation, test reports submitted by the client may be accepted provided that the report is with an issue date not more than three (3) years at the time of audit, and complies with the certification requirements.

5.3.4 The results of testing must comply with the standard specification requirements.

## 5 GRANTING OF THE DCLD CERTIFICATION

6.1 The DCLD product conformity certificate and the authorization to use the DCLD conformity mark shall be granted upon conformance with all related provisions in the relevant general rule.

6.2 Fees shall be as per DM-DCLD-RD-DP21-2097 (IC) for Type 5 and DM-DCLD-RD-DP33-6002 (IC) for Type N in addition to other relevant provisions in the general rule.

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6.3 DCLD-CQPS shall carry out surveillance of certified clients based on the approved periodic plans and related provisions in the general rule.

6.4 Appeals, disputes and complaints shall be in line with the relevant provisions in the General Rule.

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