

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Glazed Glass as per Al Sa'fat – Dubai Green Building System	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2192 (IC)	رقم الوثيقة:	

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Date of Issue :27/03/2023	Rev. No. : 06
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 حكومة دبي GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
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Issue Date	Rev. No.	Summary Of Amendments
14-03-2016	0	First draft for comments
20-03-2016	0	Final draft
09-08-2016	1	Issue for use
06-06-2018	2	Updated to align with Al Sa'fat – Dubai Green Building Evaluation System; Updated format as per DM unified template
04-08-2020	3	Add the options for initial audit by the approved CAB and remotely by DCLD-PCAS. Adding definition for authorized auditor. Update for the new numbering system and followed terminologies. Add provision for accepting valid test reports
26/09/2021	4	Revised to reflect the 2020 version of Al Sa'fat – Dubai Green Building System, Annex 1 were added (sections 1 to 6). Modify the client definition. Removal of the documents in clause 2.1.2, in addition to further amendment in the provision for accepting valid test reports (clause 2.4.5), in line with DM 30% reduction of requirements (both service and specialized). Modifications in the auditing part for the factories already certified against ISO 9001 to opt for auditing only the areas of production and monitoring stages of product realization, quality control and final product testing and evaluation.
04/10/2022	5	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager). Adding surveillance in 2.4.5
27/03/2023	6	Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and document title has been revised accordingly. Adding the applicable clauses of Dubai Building code. Delete Annex 1 and just refer to applicable clauses in the standard specification. 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.
- 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)**.
- 1.3 This specific rule **is an integral part of the general rule** and both shall always be read together.

2. SCOPE

- 2.1 This specific rule applies to Glazed Elements – Fenestration (Glazed Glass) in accordance with the related requirements and specifications in Clause [501.01 B] in the 2023 Al Sa'fat Dubai Green Building System-2nd edition and E.5.2.3.2 & K.7.2.2.2 in Dubai Building Code.
- 2.2 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.

3 PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 3.1 Product name: Glazed Elements – Fenestration (Glazed Glass)
- 3.2 Applicable standard/Normative reference: 2023 Al Sa'fat Dubai Green Building System-2nd edition [501.01B] in the 2023 Al Sa'fat Dubai Green Building System-2nd edition and E.5.2.3.2 & K.7.2.2.2 in Dubai Building Code.
- 3.3 Additional reference:
- ISO 9001 Quality Management System – Requirements
- ISO 19011 Guidelines for Auditing Management Systems
- EN 673 – Determination of Thermal transmittance
- EN 410 – Determination of Shading Coefficient & Light Transmittance

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4 DEFINITION OF TERMS

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

4.1.1 Standard Specification – 2023 Al Sa'fat Dubai Green Building System-2nd edition [501.01B] in the 2023 Al Sa'fat Dubai Green Building System-2nd edition and E.5.2.3.2 & K.7.2.2.2 in Dubai Building Code.

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 general rule and the standard specifications.

5.2 The manufacturer shall have a quality assurance laboratory to carry out factory production control testing. As a minimum requirement, the laboratory shall have the following testing equipment:

- Length, width, thickness
- Equipment to determine the thermal transmittance, shading coefficient & light transmittance.

5.3 Product Evaluation and testing

5.3.1 Product Specifications

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

2.4.1.1 Type(s) of glass and their identification (e.g. Product Code)

2.4.1.2 Technical Data Sheet for each type

2.4.1.3 The exposure area where the glazed glass will be used.

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5.3.2 The tests to be carried out shall be in accordance with the Standard Specification shall be as follows;

S/N	Properties to be Determined	Test Method	Requirements (as per SS)
1	Thermal Transmittance	EN 673, ASHRAE or any equivalent test method	As per clause 501.01 B Section Table 2 to 7 1-to-6
2	Shading Coefficient	EN 410 Clause 4.4 or any equivalent test method	and Table K.13 (K.7.2.2.2) & Table E.5, E.6 and E.7 (
3	Light Transmittance	EN 410 Clause 4.2 & 4.3 or any equivalent test method	E.5.2.3.2) (Please see Annex 1)

6 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 general rule.
- 6.2 Fees shall be as per DM-DCLD-RD-DP21-2097 (IC) and other relevant provisions in the general rule.
- 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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