

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 إمارة دبي Dubai Municipality
	Document Title:	Certification of SRI of Roofing Surfaces Materials as per Related Sections in Al Sa'fat and Dubai Building Code	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP32-5111 (IC)	رقم الوثيقة :	

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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
27-09-2012	0	First draft for comments
10-10-2012	0	Final draft for comments
14-10-2012	1	Issue for use
04-05-2016	2	Aligning with the requirements of ISO 17067 and allowing Type 1a
25-12-2017	3	Amended to change the validity of the certificate
02-07-2018	4	Updated the requirements from GBRS to Al Sa'fat; updated the format as per DM unified template.
11-04-2019	5	Updated format as per new DM logo
12-05-2022	6	Revised to reflect the 2020 version of Al Sa'fat – Dubai Green Building System. Updated the certification validity. Format updated with Dubai font. Other updates as highlighted. Alignment with the latest numbering and terminology system in DCLD.
07-10-2022	7	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager)
18-04-2023	8	Full re-structuring and transfer of common provisions to the general rule. Align with the updated SA'FAT and Dubai Building Code requirements. Delete Annex A and replace it by related clauses in the test table. Clauses are re-numbered and re-arrange. Document title has been revised accordingly. Additional minor changes (highlighted). Use of New DM Logo.

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1. INTRODUCTION AND SCOPE

- 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 Type 1 , 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 shall comply with these specific rules, and with those already mentioned in the **“General Rules for Type1 Product Certification Scheme” (DM-DCLD-RD-DP32-5001(IC))**.
- 1.3 Type 1a and Type 1b certification shall be issued based on the relevant provisions in the general rules DM-DCLD-RD-DP32-5001(IC).

2. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 2.1 Product name: Low Emitting Materials used in Roofing Surfaces
- 2.2 Applicable standard/Normative reference: Al Sa'fat Dubai Green Building System-2nd edition
January 2023-Clause [304.01], and Dubai Building Code
– Parts E and K (as applicable).

3. DEFINITION OF TERMS

The definitions given in DM-DCLD-RD-DP32-5001 shall apply.

4. GENERAL REQUIREMENTS FOR CERTIFICATION

- 4.1 The process of application of applicant/client, product sampling, fees and condition for issuance of the Type 1 certificate of conformity shall be in line with the related provisions in the general rule and the standard specifications.

4.2 Sampling and Testing

- 4.2.1 For detailed sampling procedure - Refer to related provisions in the general rules of the scheme.
- 4.2.2 Based on the defined batch and the tests to be carried out as per clause [4.2.4], a “Sampling and testing plan” shall be prepared that will give details of the number of samples and the tests to be carried out on each selected sample. The applicant for certification shall agree to the sampling and testing plan.

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4.2.3 The sampling and testing plan shall take guidance from DM-DCLD-RD-DP32-5003 (IC) "Guidance for preparing sampling and testing plan"; and shall be prepared in such manner that will provide highest confidence that the sample represents the entire population of product being certified.

4.2.4 Test(s) to be carried out on each sample (The test shall be carried out at an independent laboratory, preferably at Dubai Central Laboratory Department DCLD):

S/N	Properties to be Determined	Test Method	Requirements as per REG For Classification Only
1	Solar Reflective Index	ASTM E1980-01	As per requirements and Limits under 304.01 and Table (1) and E.5.7, K.15 & Figure K.47

4.2.5 In case the sample fails to meet the requirements, the applicant may request for re-sampling and re-testing from the same batch of product/s, in accordance with the agreed sampling plan. If the new sample again fails to meet the requirements, the product shall be considered non-conforming and no certificate shall be issued.

5. ISSUANCE OF TYPE 1 CERTIFICATE OF CONFORMITY

5.1 The COC shall be issued based on the related provisions in the general rules.

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