

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Roof, Deck and Balcony Drains as per ASME A112.6.4	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2182 (IC)	رقم الوثيقة :	

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Issue Date	Rev. No.	Summary Of Amendments
05-08-2014	0	Final draft
18-08-2014	1	Issue for Use
17-03-2019	2	Updating format as per new DM template and new DM logo
04-08-2020	3	Add the options for initial audit by the approved CAB and remotely by 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	Removal of the documents in clause 2.1.2, in addition to further amendment in the provision for accepting valid test reports (clause 2.4.4), 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 under 2.4.4
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. 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 covers requirements for roof, deck, and balcony drains. It covers the application types: general purpose roof drain, gutter or cornice roof drain, parapet roof drain, and promenade or deck roof drain that convey rainwater from the roof area of building structures. Likewise, the material type (body type & top shape), outlet type, outlet connection, and top loading classification of roof, deck, and balcony drains are covered in this specific rule..
- 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: Roof, Deck, and Balcony Drains
- 3.2 Applicable standard/Normative reference: ASME A112.6.4: 2003 – Roof, Deck, and Balcony Drains
- 3.3 Additional reference:
- ISO 9001 Quality Management System – Requirements
- ISO 19011 Guidelines for Auditing Management Systems

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4 DEFINITION OF TERMS

4.1 In addition to the definitions given in ASME A112.6.4: 2003 and the General Rule of the scheme [DM-DCLD-RD-DP21-2001 (IC)], the following shall apply:-

4.1.1 Standard Specification – ASME A112.6.4: 2003 – Roof, Deck, and Balcony Drains

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 factory shall have a laboratory with the following testing equipment as a minimum:

- Loading test for grate and top rims
- Calipers and other linear measuring test equipment.

5.3 Product Evaluation and testing

5.3.1 Material

The client shall clearly specify what type of materials the roof, deck, and balcony drains shall be made of and it shall comply with the requirements specified under section 5.1 of standard specification.

5.3.2 Finished Product

5.3.2.1 Samples of the finished product drawn shall be subjected to the following tests and shall meet the requirements specified in clauses 2 through 5 of the standard specification.

5.3.2.1.1 Loading Test (for grates only) – as per paragraph 4.2

5.3.2.1.2 Visual inspection for casting quality - as per paragraph 5.1

5.3.2.1.3 Visual inspection for the features and accessories.

5.3.2.1.4 Measurement of

- Outlet connection – as per tables 1 through 3
- Top size (Free Area) – as per tables 4 through 7
- Thickness of the casting – as per paragraph 5.1.

5.3.3 The marking on Roof, Deck, and Balcony Drains shall be clear, durable and visible and shall be in accordance with the requirements specified under clause 8 of the standard specification.

5.3.4 The results of testing must meet the requirements as per the standard specification.

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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-DP21-2074 (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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