

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي Dubai Municipality
	Document Title:	Certification of Gypsum Plasterboards as per BS EN 520: 2004+A1:2009	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2197 (IC)	رقم الوثيقة:	

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Date of Issue : 27/03/2023	Rev. No. : 06
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Issue Date	Rev. No.	Summary Of Amendments
05/08/2016	0	First draft for comments
23/02/2017	0	Final draft
13/05/2017	1	Issue for use
17/05/2017	2	Updated format as per new DM template and new DM logo
26/03/2019	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. Correction of numbering. Add provision for accepting valid test reports
06/09/2020		
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 2.4.2.3), 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 2.4.2.3
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 specifies the requirements for the types, physical properties and dimensions of Gypsum Plasterboards.
- 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: Gypsum Plasterboards
- 3.2 Applicable standard/Normative reference: BS EN 520:2004 + A1:2009 Gypsum plasterboards – Definitions, requirements and test methods
- 3.3 Additional reference:
ISO 9001 - Quality Management System – Requirements
ISO 19011 - Guidelines for Auditing Management System.

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4 DEFINITION OF TERMS

4.1 In addition to the definitions given in BS EN 520:2004+A1:2009 and DM-DCLD RD-DP21-2001 (IC), the following shall also apply:

4.1.1 Standard Specification – BS EN 520:2004 + A1:2009 Gypsum Plasterboards – Definitions, requirements and test methods

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:

- Weighing Scale
- Dimensional measuring instrument
- Trueness & Squareness measuring equipment

5.3 Product Evaluation and testing

5.3.1 The tests to be carried out shall cover the following product performance characteristics: reaction to fire, water vapour permeability, flexural strength (breaking load), impact resistance and thermal resistance addition to the required Test Methods mentioned in section 5 of the Standard Specification as follows, when applicable according to the required type;

5.3.1.1 Determination of width, length, thickness, Squareness of ends, taper profile as per BS EN 520:2004 + A1:2009

5.3.1.2 Determination of flexural strength (flexural breaking load) as per BS EN 520:2004 + A1:2009

5.3.1.3 Determination of deflection under load as per BS EN 520:2004 + A1:2009

5.3.1.4 Determination of water absorption as per BS EN 520:2004 + A1:2009

5.3.1.5 Determination of core cohesion at high temperature as per BS EN 520:2004 + A1:2009

5.3.1.6 Determination of density as per BS EN 520:2004 + A1:2009

5.3.1.7 Determination of surface hardness of the board as per BS EN 520:2004 + A1:2009

5.3.1.8 Determination of shear strength (strength of board/substructure connection) as per BS EN 520:2004 + A1:2009



5.3.1.9 Determination of paper grammage as per EN ISO 536 if required.

5.4 Factory Production Control System (Internal Product Quality Assurance Plan)

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5.4.1 The client shall prepare and submit to DCLD-CQPS for approval of an internal product quality assurance plan giving details of the tests to be carried out at the factory. This will include as a minimum, the following details: (1) location of sampling; (2) frequency of sampling; (3) quantities of samples; (4) tests to be carried out; (5) results acceptance criteria; and (6) responsible person to carry out the activity

5.4.2 The plan shall take into consideration the production process, the volume of production, the criticality of the test to be specified, and other relevant factors

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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