



مجلس أبوظبي للجودة والمطابقة
ABU DHABI QUALITY & CONFORMITY COUNCIL

Abu Dhabi Quality and Conformity Council (QCC)

Specific Requirements for Technical Approval of Construction and Infrastructure Materials QCC-PCS-ASP045.02

Amendment Page

To ensure that each controlled copy of this document contains a complete record of amendments, the Amendment Page is updated and issued with each set of revised/new pages of the document.

Issue	Date	Sections Amended	Amendments
01	19-03-18	n/a	n/a
02	18-02-22	<ul style="list-style-type: none"> • All • Scheme name • About the QCC • Forward • Scope • Definition of Terms • References • Application Submission requirements • Factory Assessment Requirements, Conformity Assessment Process, Surveillance Procedures, Renewal and changes to technical approval scope • Fees • Appendix A: Product Declaration Form • Appendix B: Product Standards 	<ul style="list-style-type: none"> • Amended to current QCC Conformity Scheme content style • Scheme changed from 'Registration scheme for Construction Materials' to 'Technical Approval of Construction and Infrastructure Materials' • Incorporated into 'Forward' Section • New scheme scope and change to Technical Approval • Added scope description supporting Infrastructure guidelines • Added section • Added section • Amended details of the General Requirements and Specific Technical Requirements for certification. A section on the mechanism for defining the product technical requirements added. A section on the evidence required for submission added • Added Sections • Amended to current QCC Conformity Scheme content style • Removed • Removed



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1 FORWARD

The Abu Dhabi Quality and Conformity Council (QCC) was established by law No. 3 of 2009, issued by His Highness Sheikh Khalifa Bin Zayed Al Nahyan, President of the UAE and ruler of Abu Dhabi. The QCC consists of a council of regulators that facilitate the provision of quality infrastructure in line with global standards. This quality infrastructure enables industry and regulators to ensure that products, systems and personnel are tested and certified to local, regional and international Standards. Additionally, the QCC is responsible for raising the quality of local products and ensuring exports meet international standards to improve interactions with global trade and integration into the global economy.

The Specific Requirements for Technical Approval of Construction and Infrastructure Materials (the 'scheme') provides verification of conformity for products against the Abu Dhabi Emirate Guideline for Infrastructure Services, project specifications, international standards and/or details listed in product technical data sheets. Products that meet the technical approval requirements defined herein are issued a Technical Approval Certificate that can be presented as evidence of meeting appropriate standards for Abu Dhabi's built environment.

This scheme should be read in conjunction with the General Requirements for Registration of Products, PCS-RQ02-01 which can be accessed from the QCC website <https://qcc.gov.ae>.

2 SCOPE

Construction and Infrastructure Materials covered within the scope of this scheme must be referenced within one of the following documents:

- The [Abu Dhabi Emirate Guideline for Infrastructure Services \(ISGL\)](#). The full list of documents covered by the ISGL can be accessed through qcc.gov.ae
- Project requirements issued by one of the infrastructure providers of Abu Dhabi Emirate. Refer to Appendix 2 of the [ISGL](#) for the complete list of Infrastructure Providers

The scheme is only applicable to Construction and Infrastructure products that are not currently covered within the scope of an existing Abu Dhabi Quality and Conformity Council product certification scheme. The full list of currently available schemes can be reviewed from the [QCC website](#)

Advisory notes:

A number of factors additional to the characteristics addressed in the General Requirements for Registration of Products and Specific Requirements for Technical Approval of Construction and Infrastructure Materials may influence the performance of the products, e.g. end-user capability, handling, post-market product modification, installation, maintenance and incorrect usage. Such factors are beyond the scope of the third party product conformity assessment described in this document. The QCC recommends that suitable precautions, including the use of qualified personnel, to ensure continued compliance of Approved products.

3 DEFINITION OF TERMS

The Definition of Terms contained in the General Requirements for Registration of Products (PCS-RQ02-01) also apply to the Specific Requirements for Technical Approval of Construction and Infrastructure Materials.

4 REFERENCES

The following informative standards, regulations and guidance documents (on their latest version to date) have been used to define the basis and requirements of this Technical Approval scheme.

- ISO Guide 28:2004 Conformity Assessment – Guidance on a Third-Party Certification System for Products
- ISO 17067:2013 Conformity Assessment – Fundamentals of Product Certification and Guidelines for Product Certification Schemes
- ISO TR 17026:2015 Conformity Assessment – Example of a certification scheme for tangible products

In addition, normative product and system testing, validation and certification standards, specifications and requirements will typically be referenced within the Infrastructure Guidelines and/or project requirements referenced in Section 2 - Scope. These normative references are considered as indispensable for the product to demonstrate compliance with the requirements of QCC Technical Approval.

The Specific Requirements for Technical Approval of Construction and Infrastructure Materials may from time to time be varied by the issue of one or more 'QCC Notices' issued publically at <https://qcc.gov.ae> and as controlled documents to Technical Approval recipients.

5 APPLICATION SUBMISSION REQUIREMENTS

In order for a product to achieve Technical Approval Certification, an application must be submitted by the manufacturer (if based in the UAE), licensed supplier or distributor of the product which provides evidence of conformity to the criteria given in Sections 5 and 6. Applicable fees for the submission, technical evaluation and Technical Approval Certificate Issuance processes are provided in Section 10.

5.1 General submission requirements for the application of Technical Approval

The company applying for the Technical Approval must first register with the QCC Conformity Scheme Services through the Abu Dhabi Government Services website (TAMM) <https://www.tamm.abudhabi/services/business/qcc/product-conformity-certificate?lang=en> before submitting a request to evaluate their product for Technical Approval.

The applicant company shall provide the following as part of the application submission:

- A completed Technical Approval Application form QCC-RQ01-02
- A valid UAE Commercial/Business License for the applicant company to sell and/or distribute the product applying for Technical Approval or, the UAE industrial license for manufacture of the product (if manufactured in the UAE). The scope of activities listed in the license should be related to the product
- An authorisation letter issued by the manufacturer authorising the applicant company to submit the product for evaluation of conformity by the QCC (if the applicant is not the manufacturer)
- A power of attorney or authorisation letter issued by the applicant company stating that the company representative whom has completed and signed the Technical Approval Application form QCC-RQ01-02 is authorised to do so. The authorisation letter should be on the applicant company letterhead and signed/stamped by the General Manager or equivalent senior position

- Detailed product description including datasheets, specifications, description of intended use and properties, photos, labelling, usage, installation and safety manuals
- The ISO 9001:2015 certification of the manufacturer of the product (not the importer, distributor, supplier or installer), where the product applying for QCC Technical Approval is mentioned within the certification scope. The ISO 9001:2015 certificate shall be issued by an ISO/IEC 17021-3 accredited certification body, having been issued the accreditation from an accreditation body signatory to the International Accreditation Forum Multilateral Recognition Agreement (IAF MLA). The QCC reserves the right to conduct on-site factory audits for verification of the quality standards and procedures. If required, this will be covered by a Factory Audit Procedure.
- Details regarding the expected presence of the products in the UAE and Abu Dhabi markets including; ongoing or future projects, warehousing, distributors and retailers of the products, expected stock levels to be held in the UAE over the course of the Technical Approval period

5.2 Defining the Technical Requirements for Certification

The applicant company shall review the technical requirements for the product as described in the Infrastructure Guidelines, and/or project requirements referenced in Section 2. Applicable technical requirements to be evaluated by the QCC should be submitted as part of the application by the applicant using the below table format in Excel. Each product model submitted for technical approval can include multiple technical approval requirements, with each separate requirement given a new row in the table.

Product / model	Reference Document	Section	Clause / Sub-clause	Technical approval requirement (Standard or specification)	Evidence of conformity (test report, certificate)
Example: As described in the corresponding report	Example: Abu Dhabi ISGL Standard Constructions Specifications Part 1 – Roads (TR-542-1 second edition Sept 2020	Example: 2.5.2.9 Construction Geotextile	Example: Table 2-8: Geotextile for underground drainage	Example: ASTM D6241, Puncture resistance 1375 N minimum	Example: #123456.pdf

In cases where the application includes project requirements issued by one of the Abu Dhabi Emirate infrastructure providers, a copy of the project requirements or tender/procurement requirements along with details of the issuing entity and issuance date should be included in the application submission.

In cases where the applicant requires review of the product conformity against technical requirements listed in a product datasheet issued by the product manufacturer (which are not included in current Abu Dhabi Infrastructure Guidelines and/or project requirements), reference should be provided to other local, regional or international Infrastructure and Constructions standards or codes, along with a copy of the reference document.

5.3 Submission requirements for evidences of conformity

Supporting evidence of conformity shall be submitted for each technical approval requirement.

Where the evidence of conformity submitted is a test report:

- The test report shall not be older than 36 months on the day of the application submission to the QCC. All test reports that are issued between 12 months and 36 months from the day of application submission shall be accompanied by a declaration from the manufacturer (not the applicant company) that the product or product components which are the subject of the

test report are identical to the current product model applying for QCC certification or have not been configured or modified in such a way that it would no longer conform to the results of the report. The declaration should include the specific product model information, reference to the original test report number and applicable clauses in the report, contact details on for manufacturer in order to validate the declaration (email and phone) and should include a name and signature of the manufacturer representative and date of declaration issuance

- Testing shall be based on the most recent edition of the referenced testing standard or protocol except in instances where an older edition is specified in the Abu Dhabi Infrastructure Guidelines, and/or project requirements. If the most recent edition of the standard includes details of a transition period, the rules of the transition period will be applied if currently in effect
- If the test report is issued by an UAE-based laboratory, the laboratory should hold an accreditation to ISO/IEC 17025 at the time of the report issuance, where the test standard or protocol is within the scope of the accreditation. If the UAE-based laboratory holds a valid accreditation to ISO/IEC 17025 but the test standard or protocol is not within the scope of accreditation, the QCC will assess the acceptability of the test report on a case-by-case basis which may involve additional witness testing or additional on-site assessment of the laboratory capability
- If the test report is issued by a laboratory based outside of the UAE, the laboratory shall hold an accreditation to ISO/IEC 17025 at the time of the report issuance, where the test standard or protocol was within the scope of the accreditation. Additionally, the accreditation body which issued the ISO/IEC 17025 accreditation to the laboratory shall be a signatory to the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC-MRA)

In addition to the test results, test reports shall include the following information at minimum

- The name of the laboratory, its address and details of the laboratory accreditation (if applicable)
- The name of the company/entity requesting the test
- The name and location of the manufacturer and factory which manufactured the final form of the product under test
- The product model name and description of suitable detail to identify the product as the same which model is applying for the QCC Technical Approval Certification
- The test standard or test protocol name and relevant sub-standards and sub-clauses included in the testing as applicable
- The date of the testing period and date of issuance for the final test report, including details of any amendments or corrections issued

Where the evidence of conformity submitted is a certificate:

- Products which are included within the scope of UAE MoIAT regulatory requirements shall submit evidence of the corresponding valid ECAS or EQM certification
- The certificate shall demonstrate assessment of the product to the Technical Approval Requirements as listed by the application in Section 5.2

- The certificate shall be valid at the time of application submission. If the certificate doesn't include a defined expiry date the QCC will assess the acceptability of the certificate on a case-by-case basis which may involve submission of additional declarations by the manufacturer or clarification by the certification body of the ongoing requirements to maintain the certification
- The certificate shall be issued by a certification body which holds an accreditation to ISO/IEC 17065 at the time of the certificate issuance, where the certification scheme is within the scope of the accreditation. Furthermore, the accreditation body which issued the ISO/IEC 17065 accreditation to the certification body shall be a signatory of the ILAC MRA. If the certification body does not hold an accreditation to ISO/IEC 17065, the decisions on acceptance of the certificate as evidence of conformity will be at the discretion of the QCC technical evaluation

Certificates shall include the following information at minimum

- The name of the certification body, its address and details of the certification body accreditation (if applicable)
- The name of the company to whom the certificate is issued to
- The name and location of the manufacturer and factory which manufactured the final form of the product
- The product model name and description of suitable detail to identify the product as the same which model applying for the QCC Technical Approval Certification
- The standards, protocols and other conformity requirements to which the product was assessed as part of the certification (as applicable)
- The date of certificate validity and mechanism by which the current status of product certification can be validated (e.g. online certification database)

6 FACTORY ASSESSMENT REQUIREMENTS

The QCC reserves the right to conduct on-site factory assessment for verification of the quality standards and procedures in relation to the product applying for certification. If required, this will be covered by a Factory Production Control Assessment in line with the requirements of ISO/IEC TR 17026 clause 5.3 – Assessment of the production process and audit of the management system. Factory Production Control Assessments may be conducted by the QCC or third-party representative in-person or virtually through video conference.

7 CONFORMITY ASSESSMENT PROCESS

The conformity assessment of the application will be based on consistency and completeness of the documentation submitted in compliance to sections 5.1, 5.2, 5.3 and 6. If the application submission is deemed to be complete, the QCC will undertake the technical evaluation of conformity of the product with the provided Technical Approval Requirements. The conformity assessment service is provided subject to completion of payment for the service fees stated in Section 10.

When the results of the technical evaluation demonstrate that the Technical Approval requirements are met the QCC shall issue the Certificate of Technical Approval to the applicant company.

8 SURVEILLANCE PROCEDURES FOR PRODUCTS HOLDING TECHNICAL APPROVAL

8.1 General

At a minimum, the surveillance and audit requirements described in the General Requirements for Registration of Products (PCS-RQ02-01) shall be applied.

8.2 Management System Certification of the Manufacturer

Proof of continued conformity is to be presented to the QCC annually or 30 days after expiry of the previously submitted manufacturer Management System Certification(s) (based on the Technical Approval Requirements).

8.3 Testing and Inspection

Annually, the QCC will undertake market surveillance activities to assess the Approved product(s) available in the Abu Dhabi market for the following:

- Samples can be inspected i) on-site at project locations within the Emirate of Abu Dhabi, ii) at point of entry to the Abu Dhabi Market, and/or iii) in the market from the suppliers warehouse or at a retail outlet
- Samples will be assessed for compliance to technical approval requirements given in Section 5.2 including third-party testing and review of the continued compliance of the previously submitted test reports, certifications and declarations
- If any product(s) fail to meet the Technical Approval requirements during inspection, the Technical Approval status of the failed product(s) will be suspended for 60 days pending investigation of the failure. The QCC will liaise with the Recipient to verify the validity of the failure, and subsequently request the corrective actions to be undertaken by the Recipient, e.g. re-testing, re-assessment of the evidence of conformity or correction of information provided in the Technical Approval Certificate
- If the corrective actions undertaken on or before the end of the 60 days suspension period are deemed acceptable by the QCC, the Technical Approval status of the product(s) will be reinstated
- If the Recipient fails to take corrective actions, or the corrective actions are deemed by the QCC as unsuitable to demonstrate the continued conformity of the product(s) with the Technical Approval requirements, the Technical Approval status of the product(s) will be withdrawn

Proof of continued compliance of the product(s) to the Technical Approval requirements must be provided if at any time; i) the requirements within a normative documents referenced in the Technical Approval requirements have changed, or ii) the product has been modified or reconfigured in such a way that would affect its ability to continue to meet the requirements Technical Approval, or iii) annually following issuance of the Technical Approval, whichever comes first.

In cases i) or ii), the continued validity of the product conformity with Section 5.2 of this document shall be demonstrated by the recipient; in case iii) At minimum one month prior to the expiry of the product Technical Approval, the recipient company should submit an application for Technical Approval Renewal.

9 TECHNICAL APPROVAL RENEWAL AND CHANGES TO THE TECHNICAL APPROVAL SCOPE

9.1 Technical Approval Renewal

Subject to continued compliance of the product(s) and manufacturer management system(s) in accordance with Section 8, one month prior to the expiry of the Technical Approval the Certificate holder will receive notification that the Technical Approval is due to expire. To ensure the continued Certification of the products, the applicant shall submit an application for Technical Approval Certification renewal through the TAMM website with resubmission of all relevant technical documentation to demonstrate continued compliance with sections 5.1 and 6.3 of this scheme. Applicable fees for the renewal process are given in section 10.2.

9.2 Changes to the scope of products covered under the Technical Approval

To add a new product models to the scope of a current Technical Approval Certificate or to modify, add or amend the details of the technical approval for an existing model listed in a Technical Approval Certificate the applicant shall submit an application through the TAMM website including submission of all technical documentation to demonstrate compliance with sections 5.1, 5.2, 5.3 and 6. Applicable fees for the modification of Product Technical Approval Scope process are given in section 10.3.

10 FEES

The applicant shall pay the following necessary fees in accordance with the decree issued by the Abu Dhabi Executive Council.

10.1 Applicable Fees for Product Technical Approval

- Application submission fee: 600 AED
- Technical Evaluation fee for the submitted application: 2500 AED for a maximum of 20 product models*. Technical Evaluation of an additional 21-40 product models* will require an additional 2500 AED technical evaluation fee charge
- Manufacturing Factory Quality Management System and Production Control Assessment fee: 2500 AED per assessor per day** (if required)
- Technical Approval issuance fee: 100 AED (valid for 1 year subject to market surveillance compliance)

10.2 Applicable Fees for Renewal of Product Technical Approval

- Application submission fee: 600 AED
- Technical Evaluation fee for the renewal application: 2500 AED per 20 product models*. Each additional 20 product models* will require an additional 2500 AED technical evaluation fee charge
- Manufacturing Factory Quality Management System and Production Control Assessment fee: 2500 AED per assessor per day** (if required)
- Technical Approval reissuance fee: 100 AED

10.3 Applicable Fees for modification of Product Technical Approval scope by addition of new product models or revision of Technical Approval information

- Application submission fee: 600 AED

- Technical Evaluation fee for the submitted application: 2500 AED per additional 20 product models* or 2500 AED per revision of 20 existing product models*.
- Manufacturing Factory Quality Management System and Production Control Assessment fee: 2500 AED per assessor per day** (if required)
- Technical Approval reissuance fee: 100 AED

All prices are exempt from VAT

* Product models are defined as unique configurations with regards to constituent ingredients where differences between models would require additional testing to ensure conformity with the applicable requirements of this scheme

** Determination of the Manufacturing Factory assessment fee will be based the scope of the application and manufacturing facility undergoing assessment. For manufacturers based outside of the UAE, all costs for travel, visas, accommodation and meal expenses shall be paid by the applicant company