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1. INTRODUCTION

1.1. Background

CERTIBUILD Malaysia is pleased to introduce the Green Product Certification Scheme, aimed at promoting sustainability and reducing carbon emissions within the construction industry. This Green Product Certification Scheme is classified as a Voluntary Sustainable Scheme. By categorising the Green Product Certification Scheme as a Voluntary Sustainable Scheme, CERTIBUILD Malaysia emphasises its commitment to promoting sustainability while encouraging positive contributions from construction product manufacturers. This classification positions the scheme as a collaborative effort towards achieving a greener and more sustainable future for the industry.

A green product can generally be defined as a product that, from raw material extraction and processing to use and end-of-life disposal, lessens its impact on the environment as thoroughly as possible. Green Product Certification aims to assess the holistic framework and highlight the way forward to achieve excellence in environmental performance.

The certification system guides the manufacturers to position their products as green and eco-friendly and produce less carbon emission. The Green Product Certification system adopts Cradle to Cradle approach for evaluation, at par with international Standards. The Green Products Certification adopts a holistic approach based on the product's life cycle. The certification system encourages the product manufacturers to implement green measures in all phases of the product, e.g., Design, Raw/Constituent Materials, Manufacturing Process, Product Performance, and Recycling/Disposal.

1.2. Purpose

This scheme aims to certify construction products that demonstrate low carbon emissions throughout their lifecycle. By awarding the Green Certification Mark, we aim to help consumers make eco-friendly choices and encourage manufacturers to adopt greener practices.

1.3. Objectives

The key objectives of the Green Product Certification Scheme are as follows:

- Promote low carbon emissions within the construction sector.
- Encourage sustainable production and material sourcing practices.
- Raise awareness among consumers about environmentally friendly construction products.


1.4. Scheme Management

CERTIBUILD Malaysia shall be responsible for managing and overseeing the CERTIBUILD Green Product Certification Scheme. Our team of experts will conduct evaluations and verifications to ensure compliance with the established criteria.

2. SCOPE

2.1. Covered Product Categories

The Green Product Certification Scheme will cover construction products such as Ready-Mixed Concrete. These categories may be expanded or updated as per the scheme's periodic reviews.

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2.2. Eligibility for Green Certification

To be eligible for the Green Certification Mark, products must meet specific criteria related to their carbon emissions and overall environmental impact. The certification process will assess each product's lifecycle, from raw material extraction to disposal, to determine its carbon footprint and sustainability. The following are the key components of the eligibility criteria:

- (a) **Carbon Reduction Goals:** The applicants seeking certification must demonstrate a commitment to reducing carbon emissions over time. Manufacturers should outline strategies and initiatives aimed at lowering the product's carbon footprint, such as energy-efficient production processes, sustainable sourcing of materials, and recycling programs.
- (b) **Product Category-Specific Criteria:** The eligibility criteria may vary based on the type of construction product and its specific environmental impact.
- (c) **Documentation and Data Verification:** Manufacturers must provide accurate and verifiable data to support their carbon emissions claims. CERTIBUILD Malaysia will conduct thorough data verification and auditing to ensure the credibility of the provided information.
- (d) **Continuous Improvement:** To maintain Green Certification, manufacturers must commit to continuous improvement in their environmental performance. Regular updates and improvements in carbon reduction strategies should be demonstrated during periodic reviews.
- (e) **Compliance with Environmental Regulations:** Certified products must comply with all relevant environmental regulations and legal requirements in Malaysia.

3. REFERENCE DOCUMENT

This document makes references to the following documents:

- 3.1. **ISO/IEC 17065:2012**, Conformity assessment. Requirements for bodies certifying products, processes, and services.
- 3.2. **MS ISO 14024:2000**, Environmental labels and declarations - Type I environmental labelling - Principles and procedures.

4. CERTIFICATION PROCESS

4.1. Application Procedure

- 4.1.1. Upon inquiry, CERTIBUILD will provide the Manufacturers or product providers seeking Green Certification with an information package which includes the Applicant's/Manufacturer's Information Form (CBM/PC/FR/06). The client must complete and submit these forms to CERTIBUILD for a quotation to be issued.
- 4.1.2. Should the quotation be acceptable to the client, the client shall then submit the following:
 - (a) List of Components or Raw Materials Used to Manufacture the Product (CBM/PC/FR/07);
 - (b) Process Flow Chart (CBM/PC/FR/08);
 - (c) Process Quality Control Checking Schedule (CBM/PC/FR/09);
 - (d) Product Test Equipment List and Calibration Schedule (CBM/PC/FR/10);

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- (e) Declaration of Approval from the Relevant Authority (CBM/PC/FR/12);
- (f) Declaration of Approval for Trademark/Brand Name (CBM/PC/FR/13);
- (g) Manufacturer's Declaration of Commitment and Undertaking form – Agent (CBM/PC/FR/14);
- (h) Manufacturer's Declaration of Commitment and Undertaking form for OEM (CBM/PC/FR/15);
- (i) Application for Product Certification (CBM/PC/FR/16);
- (j) payment for the amount to be remitted upon application;
- (k) the full specifications of the product, including drawings, materials test reports/certificates, performance characteristics, marking used, installation instructions, etc.; and
- (l) relevant test reports of the product, if available.

4.1.3. CERTIBUILD will check that the information provided is clear and sufficient. If not, CERTIBUILD will request clarification or additional information from the client.

4.1.4. Annex A shows the Green Product Certification Process Flowchart for obtaining the Certificate of Conformity.

4.2. Pre-Certification Period

CERTIBUILD will review all the information provided by the client. If it is clear and sufficient, the applicant will be given two (2) years to comply with the requirements. During this period, the product is tested for compliance against the applicable Standard or Product Specification, and the quality system practised in the factory is monitored. An application is considered terminated if the applicant cannot meet these requirements within the specified time. However, a reapplication may be submitted.

4.3. Evaluation and Verification

CERTIBUILD Malaysia will conduct thorough evaluations and verifications to determine if the product meets the environmental criteria and product function characteristics and complies with MS ISO 14024:2000.


4.4. Sampling

4.4.1. Sample(s) are selected by CERTIBUILD officers or their authorised representatives based on the rules stipulated in the applicable product standard or additional information specific to the product.

4.4.2. Sample(s) need to be:

- (a) representative of products to be certified;
- (b) made using components and sub-assemblies approved for use in production and
- (c) made using production tools and assembled using methods established for the products to be certified.

4.4.3. Where evaluation is performed on prototype samples, further evaluation of subsequent production sample(s) is necessary.

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4.4.4. The applicant is responsible for delivering the sample(s) to the agreed 3rd Party Accredited Test Laboratory. The sample(s) shall be preserved and packaged to prevent damage or deterioration during the transit.

5. CRITERIA FOR AWARD OF CERTIFICATE OF CONFORMITY

Granting of Certificate of Conformity shall be based on the following criteria:

- (a) the applicant and factory are operating legally;
- (b) the appropriate production equipment, working and storage area, testing and quality control facilities, and related support services are adequate, in good condition, and well maintained;
- (c) the applicant must have sufficient and experienced personnel;
- (d) the manufacturing of the product is under an effective production control system;
- (e) the product must fully comply with the applicable requirements of the product standard and its relevant product specification and criteria;
- (f) the applicant has taken action to close all nonconformities raised during the evaluation;
- (g) the applicant has fulfilled all financial and procedural obligations to CERTIBUILD under this certification scheme;
- (h) the certification requirement has been fulfilled;
- (i) the Product Certification Agreement has been completed/signed, and
- (j) the decision to grant or extend the scope of certification has been made.


6. MONITORING AND COMPLIANCE

6.1. Surveillance

6.1.1. After granting the Certificate of Conformity, the Certificate Holder is placed under an annual surveillance program to ensure the ongoing validity of the demonstration of fulfilment of product requirements. CERTIBUILD will conduct at least one (1) surveillance audit for each annual renewal period. CERTIBUILD reserves the right to amend surveillance frequency based on the standard, specification, Product Certification Requirements or if the situation warrants. The product and quality system will be re-evaluated during the Surveillance Audit, if any, based on the Certification Report.

6.1.2. If surveillance is not able to be conducted due to a circumstance beyond the control of the organisation, commonly referred to as "Force Majeure" or "act of God" (examples are war, strike, riot, political instability, geopolitical tension, terrorism, crime, pandemic, flooding, earthquake, malicious computer hacking, other natural or human-made disasters), the surveillance shall be delayed to earliest possible date, as advised, or directed by the authority as safe.

6.1.3. If the surveillance is not conducted within three (3) months after the certificate expires, except for the certificate's suspension as in 9.1, the certificate shall be deemed terminated. However, a new application may be made under a normal procedure subject to current terms and conditions.

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6.2. Non-Compliance and Corrective Actions

- 6.2.1. If a certified product fails to meet the established Standards or Product Specification, the manufacturer will be notified of the non-compliance. The manufacturer must take corrective actions to bring the product back into compliance. Failure to address the non-compliance may result in the suspension or revocation of the certification.

7. CHANGES AFFECTING CERTIFICATION

- 7.1. CERTIBUILD retains the right to modify or make any changes that are deemed necessary to this document from time to time. CERTIBUILD will notify all the parties affected by such modifications or amendments accordingly. CERTIBUILD will endeavour to minimise inconveniences to affected parties. Furthermore, CERTIBUILD will verify the implementation of the clients' changes and shall take the actions required by the scheme.

- 7.2. The client is responsible for notifying CERTIBUILD immediately of any intended changes to its:

- (a) company name;
- (b) address/manufacturing site (premises);
- (c) brand name;
- (d) addition/deletion of model/sizes/types etc.;
- (e) company ownership;
- (f) marking of the Certification Mark;
- (g) the organisation, top management, key personnel, and
- (h) any other changes to the details of the Certification Report.

- 7.3. Any notice or other communication given or sent by CERTIBUILD to the applicant/Certificate Holder shall be made in the form of post or e-mail to the address of the applicant/Certificate Holder last known to CERTIBUILD.

8. SUSPENSION / REVOCATION / WITHDRAWAL / REDUCTION

8.1. Suspension

CERTIBUILD may suspend the certification of the product under the Green Product Certification Scheme for a limited period if any of the following situations arises:

- (a) if the surveillance, retest or otherwise indicates nonconformity with the certification requirements of such a nature that immediate revocation is not necessary;
- (b) if a case of improper use of the Certificate of Conformity or the Certification Mark, e.g., misleading prints or advertisement, is not solved by suitable retractions and appropriate remedial measures by the Certificate Holder ;
- (c) if there has been any other contravention to the Product Certification Agreement or the applicable product standard(s);
- (d) if the Certificate Holder fails to comply with the due settlement of his financial obligation or

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- (e) a voluntary suspension after mutual agreement between CERTIBUILD due to non-production of the certified product for more than two (2) years or other reasons.

8.2. Revocation

CERTIBUILD may revoke the certification of the product under the Green Product Certification Scheme if any of the following situations arises:

- (a) if, at the end of the suspension period, inadequate measures are taken by the Certificate Holder to fulfil conditions for the lifting of suspension;
- (b) if, during surveillance, it was found that the non-conformance is serious;
- (c) if Certificate Holder fails to comply with the due settlement of his financial obligation. If the fees remained unpaid after six (6) months of the expiry date of the Certificate of Conformity, a recommendation might be made to revoke the Certificate of Conformity;
- (d) if there has been any other major contravention to the Product Certification Agreement or the applicable product standard(s) of such a nature that immediate revocation is necessary;
- (e) if the product is banned from use by relevant regulatory authorities;
- (f) if the standard or rules have been changed/amended and the Certificate Holder is either unwilling or unable to comply with the new requirements;
- (g) if the product is no longer available, i.e., there has been no production of the certified product or its similar product in the past three (3) years;
- (h) if Certificate Holder goes out of business; or
- (i) if there is a consolidation of the Certificate of Conformities.

8.3. Withdrawal

The Certificate Holder may also withdraw a Certificate of Conformity in either of the following cases:


- (a) if the Certificate Holder does not wish to continue with the certification;
- (b) if the standard or rules have been changed/amended and the Certificate Holder is either unwilling or unable to comply with the new requirements or
- (c) if the product is no longer available or the Certificate Holder goes out of business;

8.4. Reduction or Addition of Certification Scope

Reduction or addition of certification scope is subject to proper request. It shall be subject to evaluation and verification as and when necessary, and the certificate holder shall make an official request to CERTIBUILD.

9. COMPLAINTS

- 9.1. The Certificate Holder shall keep records of all complaints relating to the certified product's compliance with certification requirements and make these records available to CERTIBUILD when requested. The Certificate Holder shall take appropriate action concerning such complaints and record the actions taken.

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9.2. Any complaints against certified products or services provided by CERTIBUILD may be directed to the General Manager of the Quality Assurance & Certification Department of Certibuild (M) Sdn Bhd. In addition, complaint procedures may be made available upon request.

10. APPEALS AND DISPUTES

10.1. An appeal shall be made in writing. When such an appeal is received, CERTIBUILD will consider the explanations given and provide the Certificate Holder with an opportunity to be heard. Appeals are handled within the certification system impartially and independently.

10.2. Appeals and dispute procedures may be made available upon request.

11. CERTIFICATION MARK

11.1. CERTIBUILD Green Certification Mark

Upon successful verification and compliance with the Green Product Certification Scheme, certified product(s) will be approved to use the Green Certification Mark. The Mark will prominently display the product's green credentials.



11.2. Mark Usage Guidelines


Manufacturers of certified products may use the Green Certification Mark on their packaging, marketing materials, and product literature in accordance with the following guidelines:

- The Mark must be displayed clearly and legibly.
- The Mark should not be altered or modified in any way.
- CERTIBUILD Malaysia reserves the right to withdraw mark usage if any misuse is detected.

12. TRANSPARENCY AND COMMUNICATION

12.1. Consumer Communication

CERTIBUILD Malaysia will maintain transparent communication with consumers and stakeholders about the Green Product Certification Scheme. The certified products will be listed on our website.

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12.2. Handling Inquiries and Feedback

We welcome inquiries and feedback from consumers and stakeholders about the Green Product Certification Scheme. We will respond promptly to inquiries and take feedback into consideration during scheme updates and reviews.

13. FEES

Details regarding certification fees of the Green Product Certification Scheme will be outlined in a separate fee schedule document.

14. DISCLAIMER

The certificate holder shall be fully responsible for the product quality stated in the certificate. CERTIBUILD, its staff, Board of Directors, representatives, members of the Certification Impartiality Committee (CIC), members of the Product Certification Committee (PCC), approving authorities, including representatives of CERTIBUILD's Accreditation Bodies, their directors and staffs, and their assessors shall not be liable and disclaims all responsibility for any losses, damage to property or personal injury suffered directly or indirectly arising from the usage and application of the product supplied by the certificate holder.

15. MODIFICATION/AMENDMENT

15.1. This document is the property of Certibuild (M) Sdn Bhd. It shall not be published, reproduced, copied, or used without permission from CERTIBUILD.

15.2. CERTIBUILD retains the right to modify or make any changes that are deemed necessary to this document from time to time. CERTIBUILD will notify all the parties affected by such modifications or amendments accordingly. CERTIBUILD will endeavour to minimise inconveniences to affected parties.

15.3. To ensure the relevance and effectiveness of the scheme, CERTIBUILD Malaysia will conduct periodic reviews of the Green Product Certification Scheme. Updates will be made as necessary to align with the latest industry practices, carbon reduction goals, and ISO 14024 requirements.

16. INTELLECTUAL PROPERTY RIGHTS

16.1. The Green Certification Mark and associated materials are the intellectual property of CERTIBUILD Malaysia. Unauthorised use or reproduction of the Mark is strictly prohibited.

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ANNEX A

GREEN PRODUCT CERTIFICATION PROCESS FLOWCHART

Process	Action	Reference
Inquiry	<ol style="list-style-type: none"> 1. An information package is given to the applicant. 2. The applicant shall submit the Applicant's/Manufacturer's Information Form to CERTIBUILD. 3. Feasibility for certification is examined concerning standards, testing, and evaluation. 4. A quotation will be issued to the applicant. 	CBM/PC/FR/06
Application	<ol style="list-style-type: none"> 1. Should the quotation be acceptable by the applicant, the following documents are required to be submitted to CERTIBUILD: <ol style="list-style-type: none"> (a) List of Components or Raw Materials Used to Manufacture the Product (b) Process Flow Chart (c) Process Quality Control Checking Schedule (d) Product Test Equipment List and Calibration Schedule (e) Declaration of Approval from Relevant Authority (f) Declaration of Approval for Trademark/Brand Name (g) Manufacturer's Declaration of Commitment and Undertaking form – Agent (If applicable) (h) Manufacturer's Declaration of Commitment and Undertaking form for OEM (If applicable) (i) Application for Product Certification (j) payment for the amount to be remitted upon application (k) the full specifications of the product, including dimensioned drawings, materials, components, photographs, finishes, performance characteristics, label/mark used, and installation instructions (l) relevant test reports of the product, if available 2. CERTIBUILD will issue an Acceptance into Pre-Certification Stage Letter to the applicant. 	CBM/PC/FR/07 CBM/PC/FR/08 CBM/PC/FR/09 CBM/PC/FR/10 CBM/PC/FR/12 CBM/PC/FR/13 CBM/PC/FR/14 CBM/PC/FR/15 CBM/PC/FR/16
Document Review	Assessment of the manufacturer's quality system documentation to determine the readiness of the factory audit.	
Factory / Plant Audit	<ol style="list-style-type: none"> 1. Confirm the date and arrangement of the factory audit at the manufacturer's factory or production site. 2. The activity shall include a review of quality system documentation and record; a visit to the raw material storage, factory/manufacturing plant, finished good storage and testing facilities; witnessing processes and activities; Interviews with manufacturers' personnel responsible for the audited area; and sampling of sample for testing. 	

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Process	Action	Reference
Product Sampling & Testing	<ol style="list-style-type: none"> Applicants shall send samples to the testing laboratory for testing against the relevant product standards. CERTIBUILD will draw samples of the products for testing at the factory. Testing shall be conducted in testing laboratories either compliant with or accredited to ISO 17025 with the scope of accreditation for ascertaining conformance to specified criteria. The applicant shall despatch the samples so they do not get damaged or contaminated, undergo deterioration, and maintain product integrity. 	
Recommendation	Preparation of Certification Report and Recommendation Paper to the Product Certification Committee (PCC).	
Review & Approval	Review and Certification Decision by the Product Certification Committee (PCC).	
Issuance of Certificate	<ol style="list-style-type: none"> Preparation of Certificate of Conformity, signing, and issuing Letter of Award to the successful applicant. The certificate is valid for two (2) years with an annual Surveillance Audit. 	
Surveillance Audit	<ol style="list-style-type: none"> Surveillance audits shall be conducted at least once a year to ensure continued compliance with the certification requirements. During the Surveillance Audit, products will be sampled from the factory, and factory audits will be conducted. Certificate of Conformity is renewable, subject to Surveillance Audit findings and the Product Certification Committee (PCC) approval. 	
Recertification Audit, Additional Scope, Suspension, Withdrawal, Termination	<ol style="list-style-type: none"> The Certificate of Conformity expires at the end of the second year. However, before expiry, a Recertification Audit will be conducted. Certificate of Conformity is renewable, subject to Recertification Audit findings and the Product Certification Committee (PCC) approval. 	

For more information or to apply for the Green Product Certification Scheme, please contact:

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