

14 April 2025

Distribution: RMC companies with valid SGBP certificates under the RMC category

UPDATE ON PRODUCT CERTIFICATION CRITERIA AND PRODUCT CATEGORY FOR READY-MIXED CONCRETE (ADDITIONAL CLARIFICATION ON EPD REQUIREMENT)

Background

1 This circular clarifies the requirements for Environmental Product Declarations (EPDs) with reference to the SGBC industry update on the changes to the Ready-Mixed Concrete (RMC) category and criteria under the Singapore Green Building Product (“SGBP”) certification scheme (dated 1 Nov 2024).

2 In the 1 Nov 2024 industry update, it was announced that the SGBP criteria for Ready-Mixed Concrete (GWP) category will utilise the total GWP (kgCO_{2e}/m³) from modules A1 to A3 as reported in a valid **single-company, product-specific EPD** that is prepared in accordance with the requirements of:

- ISO 14025 and
- ISO 21930 or EN 15804

3 There are multiple programme operators in the market for EPD and each is allowed to define their own programme instructions as well as product category rules (PCRs) within the guidelines set out by ISO 14025 and, either ISO 21390 or EN 15804. Most, if not all of these programme operators allow multiple similar/identical products to be declared within one single EPD and this EPD will be considered a product specific EPD if the products meet the following requirements:

- Products are covered by the same PCR
- Products have identical or similar function
- Products are manufactured by the single company at one or several manufacturing sites as long as the major steps in the A3/ core processes are identical

Once these requirements are met, programme operators may allow the following options for multiple product EPD; (1) weighted average, (2) representative product or (3) worst case scenario.

Clarification on SGBP's Requirement

4 For the SGBP criteria, only the “representative product” approach will be accepted for evaluation. For such EPDs, the results of a representative product shall be declared. The choice of the representative product shall be justified in the EPD. Similar products can only be included in the same EPD if the variation in GWP is within **10%** from the declared GWP of the representative product.

5 Each EPD should only consist of concrete mixes that fall under the same strength class. And the mix design/code of each concrete mix shall be clearly identified in the EPD.

For Clarification

6 We would appreciate if you could convey the contents of this circular to relevant members of your organisation. For any queries concerning this circular, please do not hesitate to contact SGBC at certification@sgbc.sg.