

1 November 2024

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

UPDATE ON PRODUCT CERTIFICATION CRITERIA AND PRODUCT CATEGORY FOR READY-MIXED CONCRETE

Background

1 This circular serves to update the industry of the changes to the Ready-Mixed Concrete (RMC) category and criteria under the Singapore Green Building Product (“SGBP”) certification scheme.

2 As more organisations embark on carbon disclosures and reporting, it is essential that material suppliers provide accurate carbon emissions data of products. To support this increasing market demand for product carbon footprint data, a new SGBP category will be launched for RMC products using Global Warming Potential (GWP) as the key evaluation metric. The new category will be named “Ready-Mixed Concrete (GWP)” to differentiate it from the existing “Ready-Mixed Concrete” category that currently uses clinker content as the key evaluation metric.

3 The Ready-Mixed Concrete (GWP) category will utilise the total GWP ($\text{kgCO}_2\text{e}/\text{m}^3$) from modules A1 to A3 as reported in a valid single-company, product-specific Environmental Product Declaration (EPD) that is prepared in accordance with the requirements of:

- ISO 14025 and
- ISO 21930 or EN15804

4 The criteria for the Ready-Mixed Concrete (GWP) category will follow the existing holistic framework for SGBP-certified products which includes various sustainability attributes, with the following limits for GWP:

Concrete Grade	G20 & below	G30	G40	G50	G60	G70 & above
Certification level	(kgCO ₂ e/m ³)					
1 Tick	≤280	≤340	≤400	≤450	≤500	≤540
2 Tick	≤260	≤310	≤370	≤415	≤460	≤500
3 Tick	≤235	≤280	≤330	≤375	≤410	≤455
4 Tick	≤210	≤250	≤300	≤340	≤370	≤410

5 To support the transition for Precast companies without ready EPDs, the existing “Ready-Mixed Concrete” category (using clinker content as the key evaluation metric) will continue to be available for a limited period and will be phased out by end-2025. This will provide ample time for companies to work on the EPD of their products.

Implementation Timeline

6 **Ready-Mixed Concrete (GWP) category:** This new category will be launched and available to all applications submitted from 1 December 2024 onwards. Companies with existing SGBP certifications may also apply to get their products certified under this category.

7 **Ready-Mixed Concrete category:** This existing category will remain available but will be phased out by end-2025. All certificates issued under this category, for both new and renewal applications, will expire on 31 December 2025 with immediate effect, regardless of the date of issue of certificate. Any existing certificate that has already been issued will remain valid until the expiry date stated on the certificate.

Industry Briefing

8 An online briefing will be held on 14 November 2024 (Thur) at 2pm. The briefing is open to invited precasters and interested parties may register at: <https://web.sgbc.online/public/event/rsvp/367> .

For Clarification

9 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.