



Gold Standard
for the Global Goals

RULE UPDATE

METHODOLOGY FOR CARBON SEQUESTRATION THROUGH ACCELERATED CARBONATION OF CONCRETE AGGREGATE VERSION 1.0

PUBLICATION DATE **22.10.2024**

VERSION **V1.0**

RELATED DOCUMENTS

- [Carbon Sequestration through Accelerated Carbonation of Concrete Aggregate V1.0](#)

CONTACT DETAILS

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SUMMARY

This Rule Update is applicable to the methodology for [Carbon Sequestration through Accelerated Carbonation of Concrete Aggregate](#) (V1.0). The update strengthens accounting and reversal mitigation provisions in the methodology by requiring developers to demonstrate that: (1) there is no significant carbonation in the baseline scenario and (2) the carbonated product will not be subject to conditions which may promote the re-release of CO₂ at end-of-life (a reversal event).

1| RULE UPDATE

1.1 | Accounting for natural carbonation in the baseline

- 1.1.1 | It shall be demonstrated that the demolished concrete feedstock (concrete aggregate) would not undergo significant levels of natural carbonation in the baseline scenario (>5% project sink capacity). This may be demonstrated through e.g., relevant literature studies and/or project-specific studies.
- 1.1.2 | If it cannot be demonstrated that natural carbonation in the baseline is insignificant, carbonation shall be accounted for using a conservative discount factor, the derivation of which shall be clearly justified in the PDD.

1.2 | Addressing the risk of reversals

- 1.2.1 | All probable end-of-life scenarios (EoL) for the carbonated concrete aggregate shall be disclosed.
- 1.2.2 | It shall be demonstrated that no EoL scenario could lead to the re-release of CO₂. For example, evidence that the carbonated concrete aggregate will not be subject to EoL waste incineration which could release CO₂ through thermal decomposition.

2| APPLICATION OF RULE UPDATE

- 2.1.1 | This rule update is applicable to all design certified and new projects which apply V1.0 of the methodology for [Carbon Sequestration through Accelerated Carbonation of Concrete Aggregate](#).
- 2.1.2 | Existing projects certified under V1.0 of the methodology for [Carbon Sequestration through Accelerated Carbonation of Concrete Aggregate](#) shall demonstrate compliance with this rule update at the time of the next verification, if it has not been demonstrated and documented already.

DOCUMENT REVISION HISTORY

Version number	Release date	Description
V 1.0	22.10.2024	Initial adoption