

Low Carbon Concrete Requirements

Green Building
Fact Sheet
No. 4

Ordinance No. 3776

[Title 19.07 of the Marin County Building Code](#)

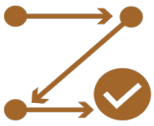
As of November 19, 2019, **all projects** pouring concrete within unincorporated Marin County must comply with concrete and cement composition standards that maintains adequate strength and durability while reducing embodied carbon emissions.

This code seeks to either reduce cement levels and/or lower greenhouse gas emissions such as using supplementary cementitious materials.



Threshold Table for Compliance

Use the Cement Limit or Embodied Carbon pathway according to [Table 19.07.050 of the Marin County Building Code](https://bit.ly/lcc-compliance-table) (https://bit.ly/lcc-compliance-table) to comply. Compliance levels will vary based on compressive strength.



Compliance Procedures

The following actors must use the [Cement Limit or Embodied Carbon form](https://www.marincounty.org/lcc-compliance-forms) (https://www.marincounty.org/lcc-compliance-forms) to comply:

1. The **Structural Engineer or Architect** is responsible for specifying, submitting the compliance form for permission to build, and should work with the general contractor to specify the concrete design(s), and
2. The **General Contractor** should work with the ready-mix supplier to obtain a batch receipt (i.e., proof) of the specified concrete poured and is responsible for re-submitting a completed compliance form for final inspections.

Pre-Qualify Your Mix Design



To be publicly listed as a pre-qualified vendor, Ready-Mix suppliers can pre-clear their concrete mix designs by completing [this form online](#) or submitting a hard copy to the planning desk (3501 Civic Center Drive, Rm 303, C/O Brian Reyes) or scan and email the online form to greenbuilding@marincounty.org. Pre-qualified vendors and their design mixes will be placed on the County's [Low Carbon Concrete Requirements landing page](https://marincounty.org/lowcarbonconcretecodes) (https://marincounty.org/lowcarbonconcretecodes).

Key Definitions

EMBODIED CARBON means the greenhouse gases emitted in material extraction, transportation and manufacturing of a material corresponding to life cycle stages A1 (extraction and upstream production), A2 (transportation), and A3 (manufacturing). Definition is as noted in ISO 21930.

For details and resources on code compliance and to begin your application, please visit <https://marincounty.org/lowcarbonconcretecodes> or scan the QR Code below.

