



Section 093013- Ceramic tile

These samples are for pathway 1. Note: These specification samples do not constitute professional advice and should be incorporated at the discretion of professionals on the design team. See the DEQ Housing Guide for Drawings and Specifications Factsheet for more info.

[Specifiers can choose to draft similar requirements to incorporate per individual product section, at their discretion.]

Part 1 General

1.1 Submittals

- A. Product Data: _____.
- B. Sustainable Materials Documentation: Provide documentation per Section 018113 - Sustainable Design Requirements to demonstrate compliance with Oregon DEQ Housing Program requirements.
 - 1. Submit the Pathway 1 section of the DEQ Embodied Carbon Reporting Form, with evidence of compliance attached.
 - a. For all submittals, attach evidence of compliance from either the manufacturer or an independent agency.
 - 1) Acceptable evidence includes Acceptable Environmental Product Declarations.
 - b. Include Material Quantity and Cost data.
 - 1) Acceptable evidence of compliance may include receipts showing quantities and costs of specific products installed.
 - c. DEQ Embodied Carbon Reporting Form: Provide embodied carbon updates throughout construction for each optimized product type that includes the following:
 - 1) Declared quantity and unit of each applicable material.
 - 2) Required Global Warming Potential Baseline
 - 3) Actual embodied carbon emissions (declared unit quantity x kgCO₂e/declared unit).
 - 4) Environmental Product Declaration (EPDs) that document actual GWP
 - 5) Carbon emissions reductions achieved across the pathway

Translation or other formats

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800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

Part 2 Products

2.1 Performance requirements

A. Embodied Carbon - Ceramic Tile:

1. For products where a reduction claim is made, provide an Acceptable Environmental Product Declaration (EPD) that documents the following:
 - a. Actual Embodied Carbon: Product's GWP value as listed on EPD in kgCO₂eq per Declared Unit.
 - b. System Boundary: Product Stage A1-A3.
 - c. Declared Unit: m²
 - d. Product Category Rule (PCR): PCR used to create EPD, as listed on EPD.
2. Embodied Carbon Optimization Targets: EPDs for these product types are targeted to have a Global Warming Potential (Embodied Carbon, Actual) of 20% less than the Global Warming Potential Baseline.
3. Global Warming Potential Baselines: As expressed in kgCO₂e per Declared Unit.

Flooring Types	Baseline Global Warming Potential (kgCO ₂ e per m ²)
Ceramic tile	14.1

4. Embodied Carbon Targets: As expressed in kgCO₂e per Declared Unit.

Flooring Types	Global Warming Potential Targets (kgCO ₂ e per m ²)
Ceramic tile	11.3

- a. Pursuing Pathway 1, the project has a goal to achieve a 20% embodied carbon reduction across the products covered by Pathway 1. For this reason, no individual product must meet the Global Warming Potential Targets in the above table. Instead these Global Warming Potential Targets are provided as indicative of product-level targets aligned with the project-level goal.

End of section.

Contact

Please email built.environment@deq.oregon.gov if you would like to connect with the program or inquire about our work.

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