

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



| | |
|-------------------------|---|
| Manufacturer: | (US-FL) |
| Declared unit: | t |
| Product identification: | Cemento Uso General Sogamoso 2025, 4616795 |
| Production site(s): | PLANTA SOGAMOSO |
| Declared unit: | t |
| Product identification: | Cemento Uso General Sogamoso 2025, 4616795 |
| Production site(s): | PLANTA SOGAMOSO |
| Scope: | A1-A3, cradle-to-gate |
| Methodology: | GCCA's Industry EPD Tool for Cement and Concrete (V4), North American version |
| Date of issue: | 2026-05-05 16:30 |
| Comment: | |

This document is NOT a verified EPD but a self-declaration in EPD format. All information about goal and scope necessary for results interpretation by the EPD verifier are present in the latest version of the "LCA Model" report, available in GCCA's Industry EPD Tool.

Materials incorporated to the product and packaging materials available in the tool are pre-defined. For a given material, for instance, the share of primary versus secondary cannot be specified. Any given material is either 'primary' or 'secondary, product' or 'secondary, co-product' or 'secondary, waste'. The indicator 'Use of secondary materials' is computed as 'secondary materials, product' + 'secondary, recovered materials' + 'secondary, waste'. 'Secondary materials, waste' coming into the system are considered as a waste stream and are accepted as such. Therefore, no impact from the former life is considered. 'Secondary materials, product' and 'secondary materials, recovered materials' however inherit the impact of pre-processing, consistently with the requirements of the PCR.

The PCR requires that the biogenic carbon content of the product and packaging should be reported in an EPD. It is mandatory when the biogenic carbon content exceeds 5% wt. (product or packaging). The latter is calculated and reported in the tool based on the default biogenic carbon content of input materials and is taken into account in the calculation of the GWP-bio indicator as per the requirements of the PCR. **It is the responsibility of the EPD owner to report the biogenic content of the product and packaging in the EPD.**

The removals and emissions associated with biogenic carbon content of the product and packaging are taken into consideration in the calculation of the GWP-bio indicator, as per the PCR. The uptake of CO₂ in A1-A3 (e.g. bio-based insulation materials in precast elements or bio-based packaging materials) and reemission in A5 (packaging end-of-life) or C3-C4 (product end-of-life).

The 'Water deprivation potential' (WDP) indicator is characterized according to global characterization factors and not local ones.

The following hypotheses apply to waste streams at the end-of-life: 1) The only materials sent to recycling are the concrete itself and the reinforcement steel when applicable. Other materials (e.g. insulation, void formers) are considered to be landfilled. We assume the recycled materials are actually recycled and accounted for as recycled material. 2) The only credit in module D therefore applies to the recycling of concrete at the end of life and the recycling of reinforcing steel at the end of life. This methodological choice is consistent with the reality of the cement and concrete industry.

No allocation is applied in the GCCA tool. For instance, no allocation of impacts will be applied to excess electricity or excess heat which may result from the production of concrete or precast. Such situations are considered to be marginal and negligible when they take place.

The limitations and non-conformities above should be explicitly stated in any EPD report when applicable.

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



CANADIAN PRECAST/PRESTRESSED CONCRETE INSTITUTE
INSTITUT CANADIEN DU BÉTON PRÉFABRIQUÉ ET PRÉCONTRAIT

Core environmental impact indicators

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-------------|-------------------------|---------|---------|---------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| GWP-tot-net | kg CO ₂ eq. | 4.95E2 | 3.49E0 | 1.4E0 | 5E2 * | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GWP-bio-net | kg CO ₂ eq. | 8.9E-2 | 1.35E-3 | 7.41E-2 | 1.65E-1 * | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ODP | kg CFC 11 eq. | 5.16E-6 | 8.77E-7 | 4.54E-8 | 6.08E-6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| AP | kg SO ₂ eq. | 5.36E-1 | 1.06E-2 | 5.58E-3 | 5.52E-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EP | kg N eq. | 5.03E-1 | 3.62E-3 | 9.02E-3 | 5.15E-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| POCP | kg O ₃ eq. | 6.87E0 | 1.78E-1 | 4.23E-2 | 7.09E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ADPE | kg Sb eq. | 9.41E-5 | 9.08E-6 | 2.43E-5 | 1.28E-4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ADPF | MJ, net calorific value | 1.84E3 | 5.48E1 | 5.83E0 | 1.9E3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

* The indicated values (net values) do not include the greenhouse gas emissions from the incineration of secondary fuels at clinker production. The gross GWP-tot (including the emissions from the incineration of secondary fuels at clinker production) is 5E2 kg CO₂-eq. The gross GWP-bio is 1.65E-1 kg CO₂-eq.

It should be noted that the net/gross differentiation applies to GWP indicators only and is ignored for other indicators where gross is applied by default.

Core environmental impact indicators • **GWP-tot** (Global warming potential) • **GWP-bio** (Global warming potential, biogenic) • **ODP** (Depletion potential of the stratospheric ozone layer) • **AP** (Acidification potential of soil and water sources) • **EP** (Eutrophication potential) • **POCP** (Photochemical oxidant creation potential) • **ADPE** (Abiotic depletion potential for non-fossil mineral resources) • **ADPF** (Abiotic depletion potential for fossil resources)

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



CANADIAN PRECAST/PRESTRESSED CONCRETE INSTITUTE
INSTITUT CANADIEN DU BÉTON PRÉFABRIQUÉ ET PRÉCONTRAIT

Additional environmental impact indicators

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|---------------|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| PM | kg PM2.5 eq. | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ETP | CTUe | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HTPC | CTUh | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HTPNC | CTUh | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SQP | dimensionless | ND | ND | ND | ND | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Additional environmental impact indicators • **PM** (Potential incidence of disease due to PM emissions) • **ETP** (Potential Comparative Toxic Unit for ecosystems) • **HTPC** (Potential Comparative Toxic Unit for humans - cancer) • **HTPNC** (Potential Comparative Toxic Unit for humans - non-cancer) • **SQP** (Potential soil quality index)

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



CANADIAN PRECAST/PRESTRESSED CONCRETE INSTITUTE
INSTITUT CANADIEN DU BÉTON PRÉFABRIQUÉ ET PRÉCONTRAIT

Parameters describing resource use

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|-------------------------|--------|---------|--------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| PERE | MJ, net calorific value | 2.11E2 | 7.66E-1 | 2.02E2 | 4.14E2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PENRE | MJ, net calorific value | 1.84E3 | 5.48E1 | 5.83E0 | 1.9E3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SM | kg | 1.64E2 | 0E0 | 0E0 | 1.64E2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RSF | MJ, net calorific value | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NRSF | MJ, net calorific value | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Parameters describing resource use • **PERE** (Use of renewable primary energy excluding renewable primary energy resources used as raw materials) • **PENRE** (Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials) • **SM** (Use of secondary materials) • **RSF** (Use of renewable secondary fuels) • **NRSF** (Use of non-renewable secondary fuels)

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



CANADIAN PRECAST/PRESTRESSED CONCRETE INSTITUTE
INSTITUT CANADIEN DU BÉTON PRÉFABRIQUÉ ET PRÉCONTRAIT

Parameters describing resource use

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|-------------------------|---------|---------|--------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| PERM | MJ, net calorific value | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PERT | MJ, net calorific value | 2.11E2 | 7.66E-1 | 2.02E2 | 4.14E2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PENRM | MJ, net calorific value | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PENRT | MJ, net calorific value | 1.84E3 | 5.48E1 | 5.83E0 | 1.9E3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NFW | m ³ | 5.68E-1 | 1.18E-2 | 3.3E-1 | 9.1E-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Parameters describing resource use • **PERM** (Use of renewable primary energy resources used as raw materials) • **PERT** (Total use of renewable primary energy resources) • **PENRM** (Use of non-renewable primary energy resources used as raw materials) • **PENRT** (Total use of non-renewable primary energy resources) • **NFW** (Net use of fresh water)

Other environmental information describing waste categories

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|------|---------|-----|---------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| HWD | kg | 8.98E-3 | 0E0 | 1.95E-2 | 2.85E-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NHWD | kg | 3.31E-2 | 0E0 | 9.52E-4 | 3.4E-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RWD | kg | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Other environmental information describing waste categories • **HWD** (Hazardous waste disposed) • **NHWD** (Non-hazardous waste disposed) • **RWD** (Radioactive waste disposed)

Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.2, dated September 2021)

Cemento Uso General Sogamoso 2025



CANADIAN PRECAST/PRESTRESSED CONCRETE INSTITUTE
INSTITUT CANADIEN DU BÉTON PRÉFABRIQUÉ ET PRÉCONTRAINT

Environmental information describing output flows

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|-----------------------|---------|-----|---------|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| CRU | kg | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MFR | kg | 2.04E-2 | 0E0 | 1.85E-2 | 3.89E-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MER | kg | 5.7E-5 | 0E0 | 0E0 | 5.7E-5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EE | MJ per energy carrier | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Environmental information describing output flows • **CRU** (Components for re-use) • **MFR** (Materials for recycling) • **MER** (Materials for energy recovery) • **EE** (Exported energy)

Extra indicators

| Indicator | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------|------------------------|--------|-----|-----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| CC | kg CO ₂ eq. | 2.66E2 | 0E0 | 0E0 | 2.66E2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CWRS | kg CO ₂ eq. | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CWNRS | kg CO ₂ eq. | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GWP-prod | kg CO ₂ | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GWP-pack | kg CO ₂ | 0E0 | 0E0 | 0E0 | 0E0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Extra indicators • **CC** (Emissions from calcination and removals from carbonation) • **CWRS** (Emissions from combustion of secondary fuels from renewable sources used in production processes) • **CWNRS** (Emissions from combustion of secondary fuels from non-renewable sources used in production processes) • **GWP-prod** (Removals and emissions associated with biogenic carbon content of the bio-based product) • **GWP-pack** (Removals and emissions associated with biogenic carbon content of the bio-based packaging)