

EXECUTIVE SUMMARY CPC 30 R



## Environmental Product Declaration (EPD)

In conformity with ISO 14025:2006 and  
EN15804:2012+A2:2019



|                         |   |
|-------------------------|---|
| Programme               | The International EPD® System<br>EPD registered through the fully aligned regional<br>programme/hub:<br>Latin America Hub of the International EPD System |
| EPD Registration number | S-P-06694: Cemento Portland CPC 30 R  |
| Date of publication     | 2023/05/26  |
| Date of validity        | 2028/05/26  |
| Geographical            | México  |

## Product description

The Composite Portland Cement CPC 30 R could be used for the construction of structural elements where no requirement with special characteristics is needed, developing good setting, resistance and yield performance. Other applications are:

- Floors
- Slabs
- Cisterns
- Foundations

The **declared unit** was defined as follows:

**1,000 kg of Composite Portland Cement (CPC 30 R), manufactured by Cementos Fortaleza® at the Tula and Palmar plants, located in the State of Hidalgo, as well as at the Progreso Plant located in the State of Yucatán, Mexico.**

The system boundary considered for this EPD is cradle to gate which includes the following life-cycle stages:

A1-A3 product stage

A1) Raw materials: Treatment and storage of raw materials, fuels, electricity consumption, Clinker production, etc.

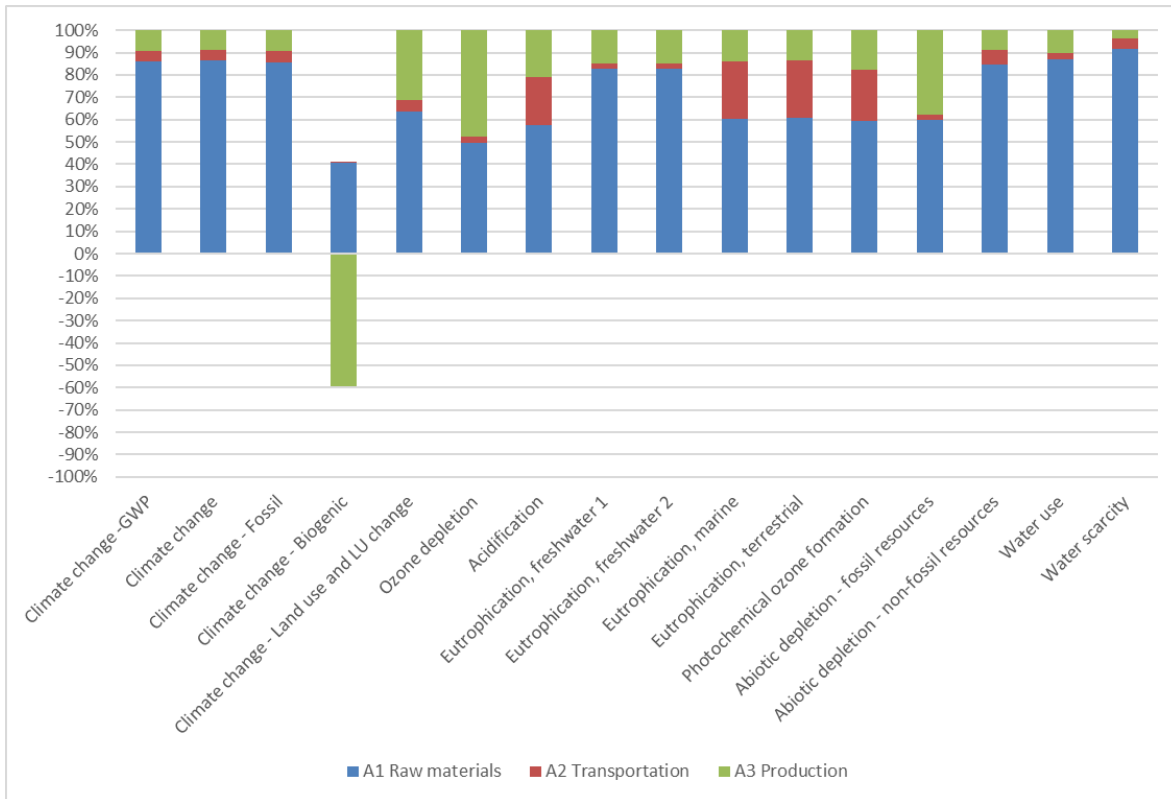
A2) Transportation: Transportation of raw materials, primary and secondary packaging, etc.

A3) Production: Fuel consumption, production of packaging materials, waste generation and treatment, etc.

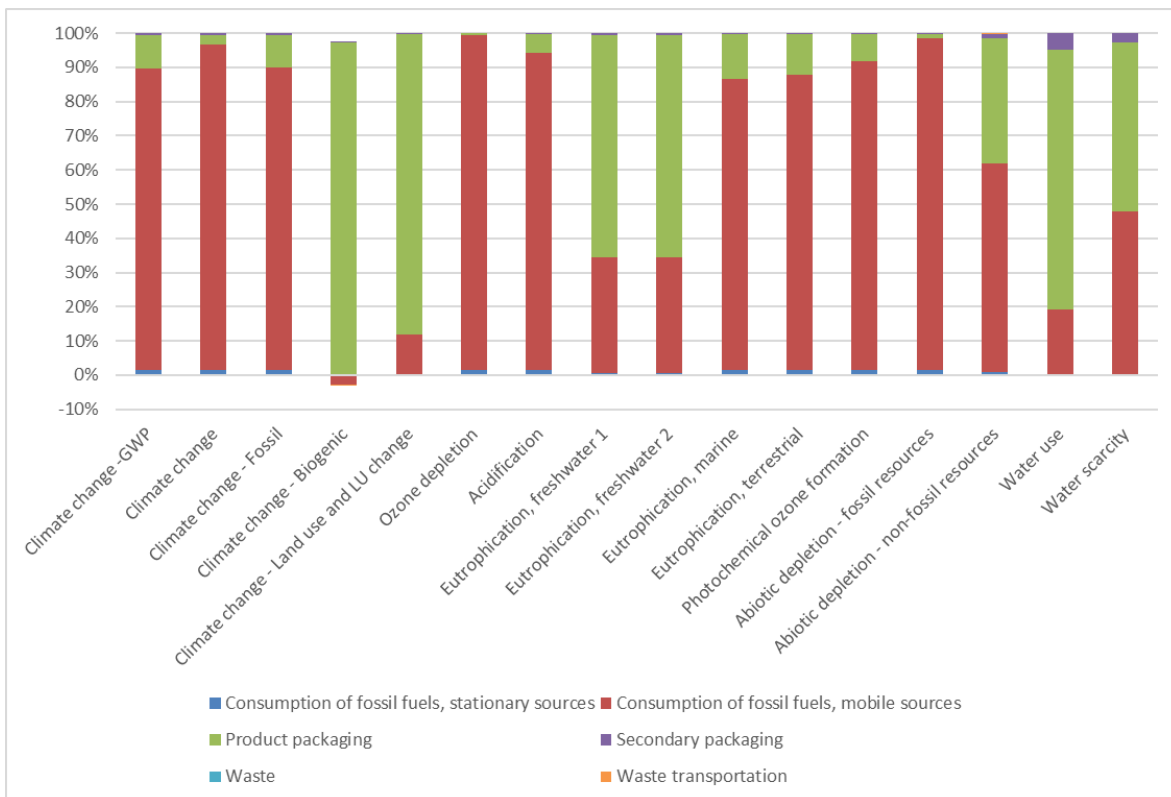
Additional activities related to the end-of-life stage are also considered independently (C1-C4 end of life stage and D Benefits and charges beyond the system boundary).

## Environmental performance

The potential environmental impacts with the lowest contributions are found in transportation (see Graph 1), while the stage with the highest percentages in most of the categories is the raw materials stage. In the case of the production stage (see Graph 2), the potential environmental impacts are related to the consumption of fossil fuels and production of packaging materials.



Graph 1. Environmental performance A1-A3



Graph 2. Environmental performance A3