

EXECUTIVE SUMMARY CPC 30 RS



## Environmental Product Declaration (EPD)

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



Programme	The International EPD® System EPD registered through the fully aligned regional programme/hub: Latin America Hub of the International EPD System
EPD Registration number	S-P-08524: Cemento Portland CPC 30 RS
Date of publication	2023/05/26
Date of validity	2028/05/26
Geographical scope	México

## Product description

The Composite Portland Cement CPC 30 RS can be used for the construction of structural elements for sewage, and it could be exposed to aggressive environments with the presence of sulfates or in coastal areas. Other applications are:

- Slabs
- Cisterns
- Sewers
- Foundations

The declared unit was defined as follows:

**1,000 kg of Composite Portland Cement (CPC 30 RS), manufactured by Cementos Fortaleza® at the Tula Plant located in Casco del Rancho Bateje, km. 5 of the Atitalaquia-Apaxco highway, Atotonilco de Tula Municipality, Hidalgo, 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.

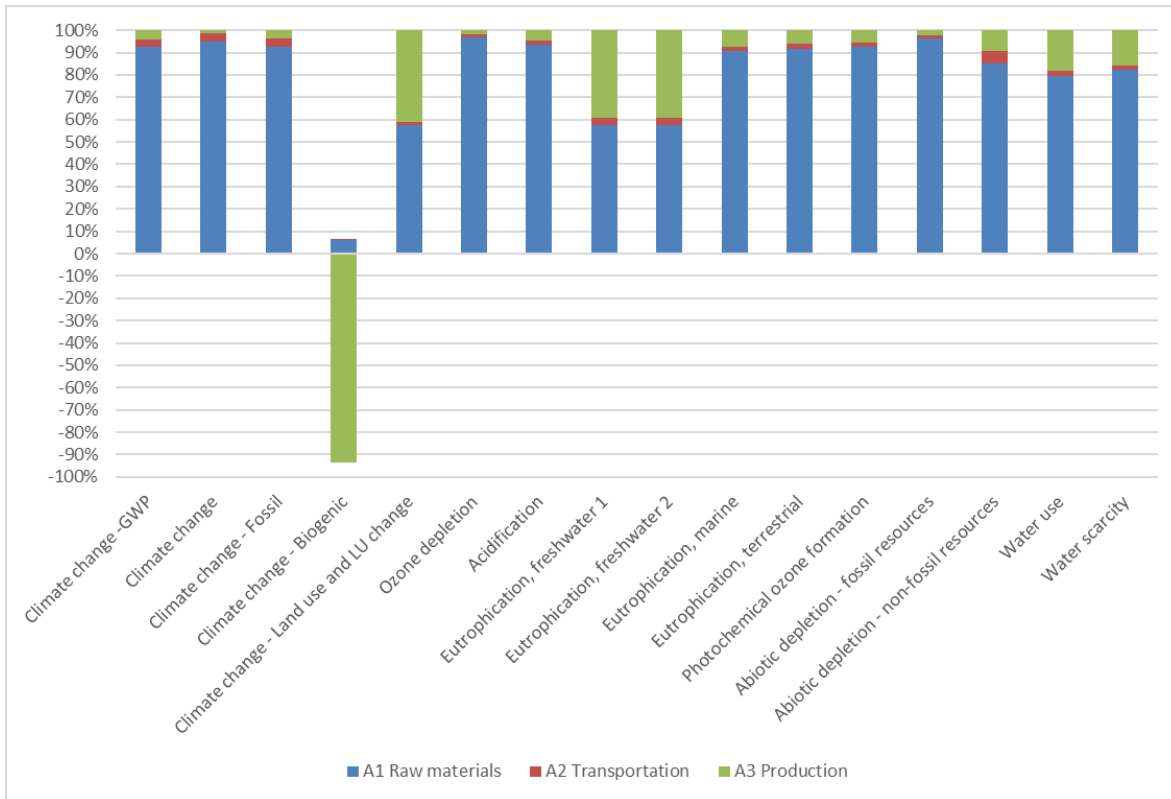
A2) Transportation: Transportation of raw materials, primary and secondary packaging, etc.

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

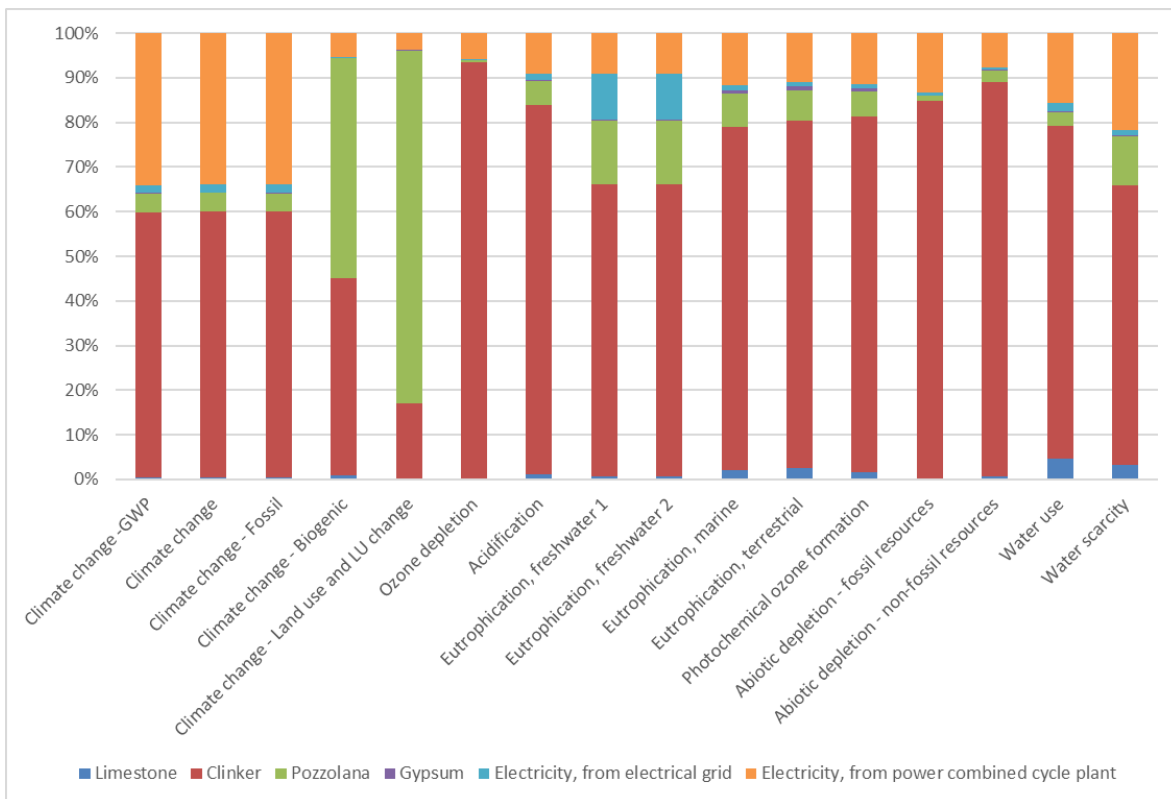
Additional activities related to the end-of-life stage are also considered independently (C1-C4 end of life stage and D Benefits and charges beyond the system boundary).

## Environmental performance

Most of the highest potential environmental impacts are related to the A1 Raw materials stage, however, the A3 Production stage contributes in some potential impact categories like Climate change-land use and Land Use change, Eutrophication of fresh water 1 and 2, with percentages near to 40%. These impacts are related to the production of packaging materials, specifically in the pulp process, which requires water consumption and generates effluents.



Graph 1. Environmental performance A1-A3



Graph 2. Environmental performance A1