

EXECUTIVE SUMMARY CPC 20



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-06695: Cemento Portland CPC 20
Date of publication	2023/05/26
Date of validity	2028/05/26
Geographical scope	México

Product description

The Composite Portland Cement CPC 20 can be used for the construction of structural elements in self builds. Other applications are:

- Interior floors.
- Land improvement
- Retaining walls

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

1,000 kg of Composite Portland Cement (CPC 20), manufactured by the company Cementos Fortaleza® at the Palmar Plant located at Avenida prolongación Las Palmas #1, El Palmar Community, Santiago de Anaya 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.

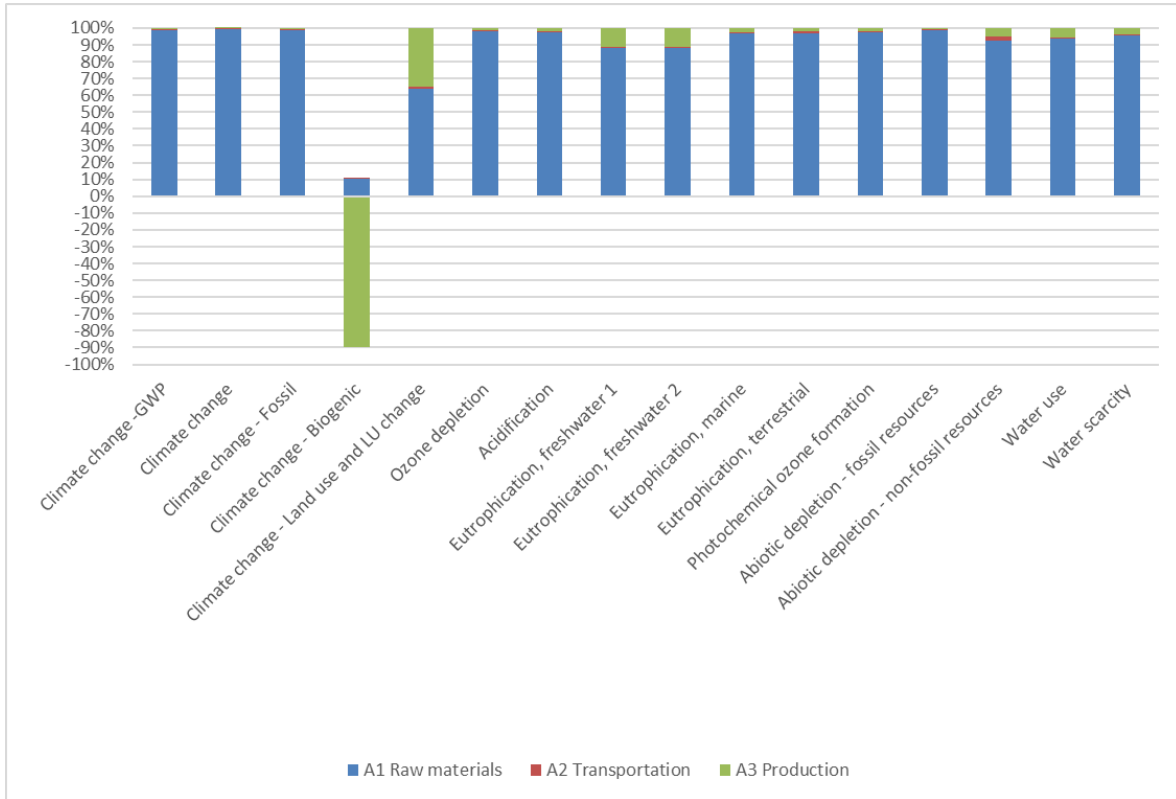
A2) Transportation: Transportation of raw materials, primary and secondary packaging, etc.

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

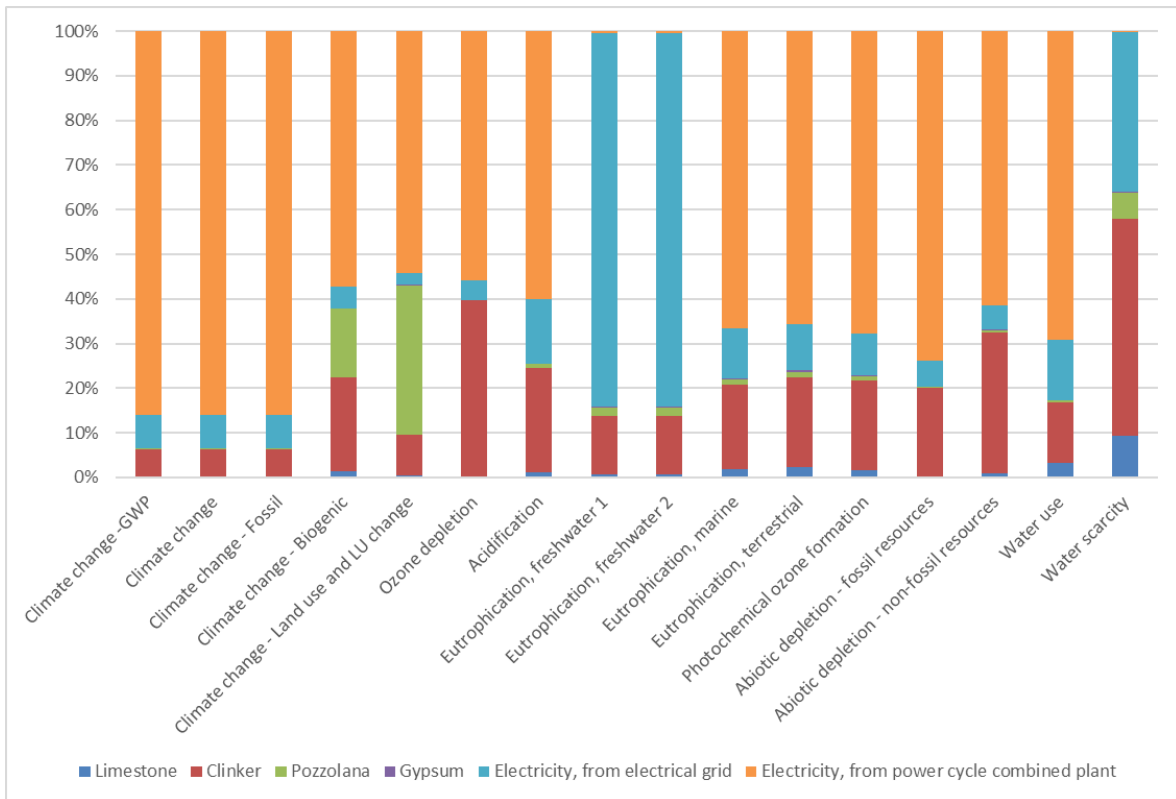
Additional activities related to the end-of-life stage are also considered independently (C1-C4 end of life stage and D Benefits and charges beyond the system boundary).

Environmental performance

The highest contributions in almost every potential environmental impact are in the raw materials stage (A1) (see Graph 1), while the stage with the lowest contributions is A2, corresponding to Transportation. This is because in A1 stage the impacts are related to the production of electricity (see Graph 2) that requires consumption of natural gas, which is related to climate change and greenhouse gases.



Graph 1. Environmental performance A1-A3



Graph 2. Environmental performance A1