

EXECUTIVE SUMMARY OF CEMENT MORTAR



Environmental Product Declaration (EPD)

In conformity with ISO 14025:2006 and
EN15804:2012+A2:2019 15804:2012+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-08525: Cemento de albañilería (mortero)
Date of publication	2023/05/26
Date of validity	2028/05/26
Geographical scope	México

Product description

The cement mortar is the perfect product for masonry work in the construction industry, it should not be used on structural elements.

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

1,000 kg of cement mortar, manufactured by Cementos Fortaleza® at the Tula and Palmar plants, located in the State of Hidalgo, México.

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.

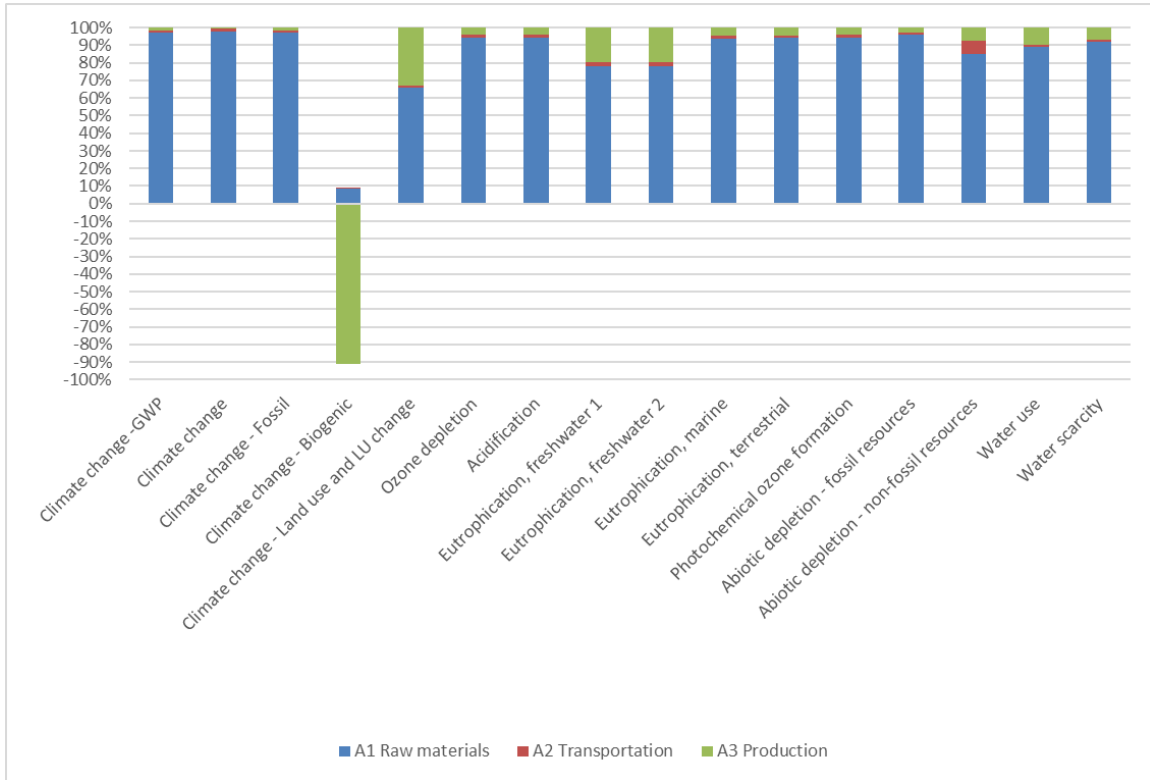
A2) Transportation: Transportation of raw materials, primary and secondary packaging, etc.

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

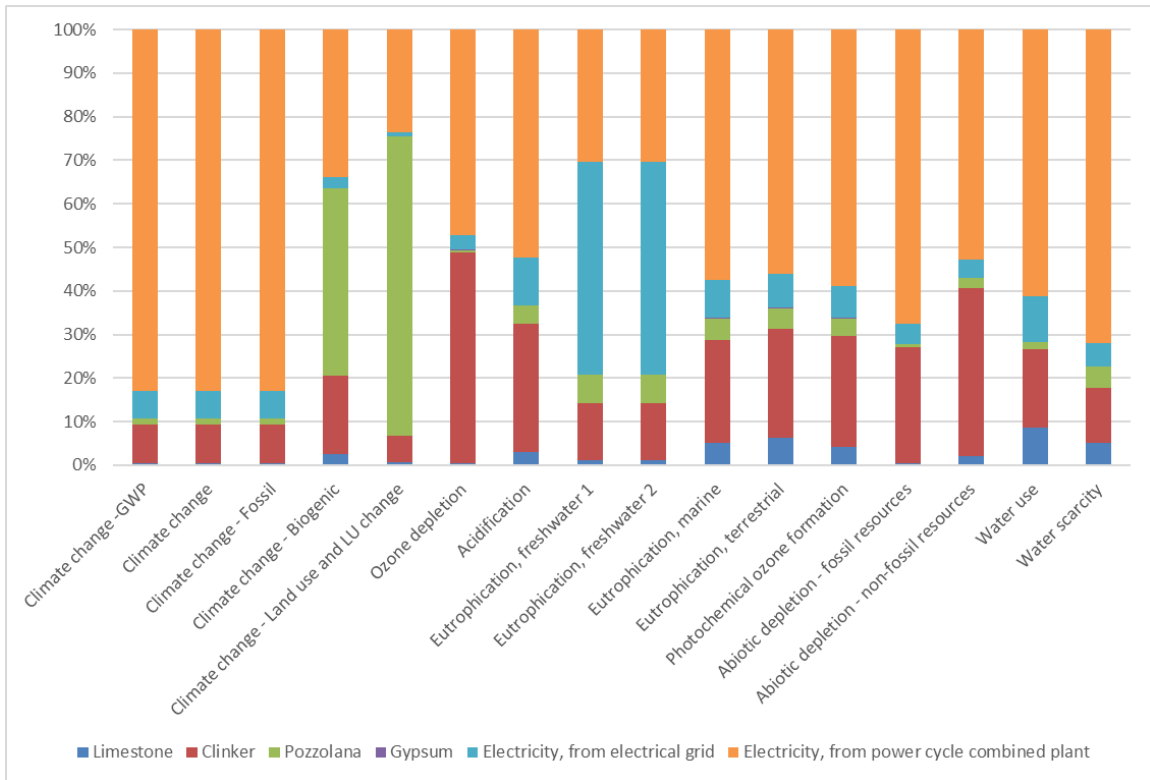
Additional activities related to the end-of-life stage are also considered independently (C1-C4 end of life stage and D Benefits and charges beyond the system boundary).

Environmental performance

The highest contributions in the potential environmental impacts are related to the raw materials stage, module A1, which shows contributions near to 90% in some categories (see Graph 1), for example: climate change (total, fossil and GWP). This is due to the footprint associated with electricity and clinker production, which are related to the greenhouse gases and climate change (see Graph 2).



Graph 1. Environmental performance A1-A3



Graph 2. Environmental performance A1