EPD®

CLIMATE DECLARATION
FOR CEMENT

Functional unit: 1 metric tonne of cement

The climate declaration shows the emissions of greenhouse gases, expressed as CO_2-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.
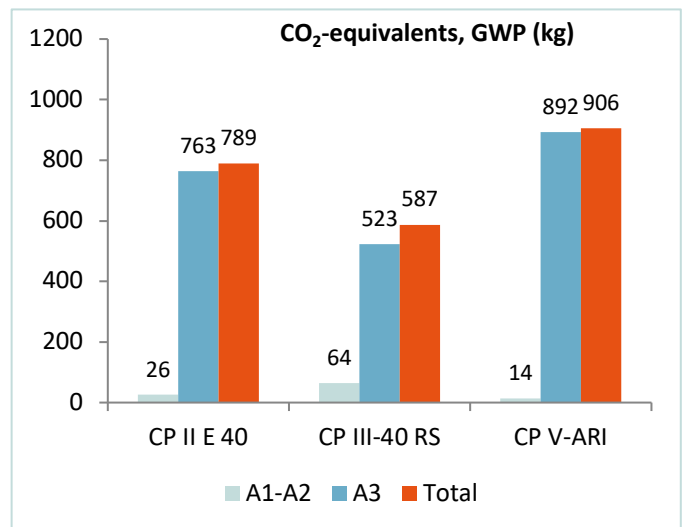
Information about the product
This climate declaration covers 3 cements in bulk form: CP II E 40, CP III-40 RS and CP V-ARI.

Information about the company
Votorantim Cimentos is the market leader in cement in Brazil and the eighth largest global producer in terms of installed capacity, according to the Global Cement Report 2013 data. The company is part of the Votorantim Group and is present in 14 countries through the South America, North America, Europe, Asia and Africa. It is a large industry that produces cement, concrete, aggregates and complementary products such as mortar and lime.

Climate declaration
The life cycle assessment is based on the WBCSD-CSI Tool for concrete and cement EPDs, version 1.4, verified as compliant in accordance with the PCRs (PCR 2012:01 Construction products and Construction services v.2.2, PCR 2013:02 Concrete v.1.02, PCR 2010:09 Cement v.2.1., the General Programme Instructions (GPI 2.5) for the International EPD® System. The studied system includes: A1 raw material supply, A2 transport and A3 core processes.

CO_2-equivalents, GWP (kg)

	A1-A2	A3	Total
CP II E 40	26	763	789
CP III-40 RS	64	523	587
CP V-ARI	14	892	906

Other environmental information
This declaration is limited to one impact category. For information about other relevant environmental impacts, see the EPD available at www.environdec.com.

Contact information

Votorantim Cimentos

www.votorantimcimentos.com