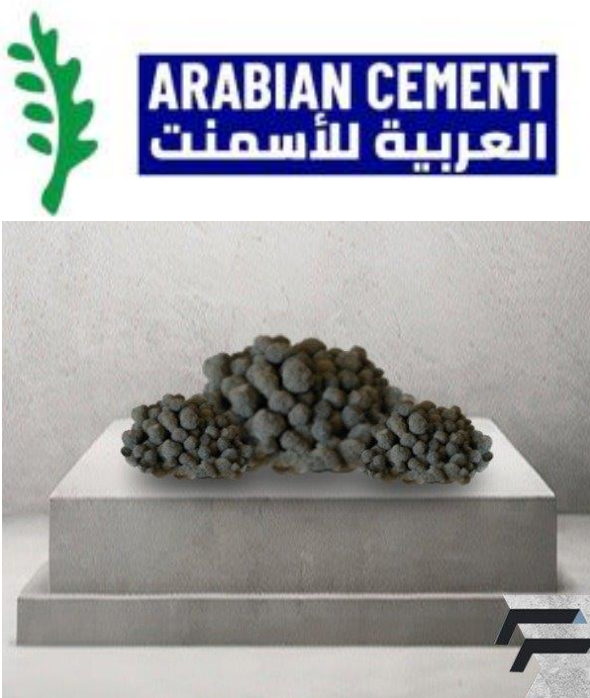


# CLIMATE DECLARATION FOR CLINKER OPC

Functional unit: 1 Ton (1.000 kg) of Product

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804.



### Information about the product

Clinker OPC is the raw material for the production of Portland types of cement, used in different percentages depending on the properties sought for the final product. In order to produce clinker, you should ground a mixture of CaCO<sub>3</sub> (limestone), SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> (clay, marl) and Fe<sub>2</sub>O<sub>3</sub> (roasted pyrites and rich clays) and provide energy to increase the temperature of the mixture above 1350 degrees, where the tri-calcium silicate (3CaO.SiO<sub>2</sub>) and bicalcium silicate are formed. Such compounds make the base for the strength of the

clinker. Our clinker meets the most stringent standards and fulfils all the requirements of EN197-1 and BS19.

### Information about the company

Arabian Cement Company (ACC) is a fully integrated cement plant and a leading cement producer and seller in Egypt. The company was founded in 1997, and among the leading cement producers in Egypt. An Egyptian company dedicated to serving our customers and spare no effort in implementing the latest technologies for operations.

### Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO<sub>2</sub> eq. per ton of product.

GWP	A1-A3	A4	A5	C1
Fossil	9.61E+02	-	-	-
Biogenic	1.25E-01	-	-	-
Luluc	5.63E-02	-	-	-
Total	9.61E+02	-	-	-
GWP	C2	C3	C4	D
Fossil	-	-	-	-
Biogenic	-	-	-	-
Luluc	-	-	-	-
Total	-	-	-	-

### Other environmental impacts

For the full EPD, see [www.environdec.com](http://www.environdec.com).

### Contact information

Owner of the EPD: [Arabian Cement Company]

Contact: [Hazem Moshir]

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-12618	VALIDITY: 2029.02.20
PCR: 2019:14 VERSION 1.3.2	UN CPC: 3743	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025:2006 EUROCERT S.A		ACCREDITED / APPROVED BY: HELLENIC ACCREDITATION SYSTEM SA (E.S.Y.D), ACCREDITATION NO. 21	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.			