

CLIMATE DECLARATION FOR CEM I 42.5N

Functional unit: 1 Ton (1.000 kg) of Product

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-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

Cement is one of the most important building materials used in the construction industry, working as binder that sets, hardens and adheres to other materials to bind them together. It is the main raw material for the production of concrete, mortars, grouts and plasters. This is a product specific EPD for cement CEM I 42.5N produced by Ramlyia Cement Plant of Arabian Cement Company located in Suez, Egypt. Composition: 95 to 100% clinker and minor components between 0 and 5%.

Calcium sulfate is added to adjust the setting time. All components comply with ES 4756-1/2009 and EN 197-1/2000.

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 CO₂ eq. per ton of product.

| GWP | A1-A3 | A4 | A5 | C1 |
|----------|----------|----|----|----|
| Fossil | 8.80E+02 | - | - | - |
| Biogenic | 1.25E-01 | - | - | - |
| Luluc | 7.03E-02 | - | - | - |
| Total | 8.80E+02 | - | - | - |
| GWP | C2 | C3 | C4 | D |
| Fossil | - | - | - | - |
| Biogenic | - | - | - | - |
| Luluc | - | - | - | - |
| Total | - | - | - | - |

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

Owner of the EPD: [Arabian Cement Company]

Contact: [Hazem Moshir]

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| EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM | | REGISTRATION NO: S-P-12620 | VALIDITY: 2029.02.20 |
| PCR: 2019:14 VERSION 1.3.2 | UN CPC: 3744 | 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. | | | |