

CLIMATE DECLARATION

FOR ALUMINA MAGNESIA CARBON BRICKS

Functional unit: 1 tonne

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 EN 15804.

Information about the product



Alumina magnesia carbon bricks are widely used in industrial applications requiring high temperature and wear resistance. They are especially favored in steel production and metal smelting processes, utilized in melting furnaces and kilns. Their high heat resistance allows safe use in facilities processing metals like steel and iron. Al-Mag-Carbon Brick blend is prepared by mixing the raw materials fed to the silos and the binders we purchase from outside in mixers according to the recipes. Then, the brick is made ready by subjecting it to the baking process in temper furnaces.

Information about the company

KÜMAŞ Magnesite Inc. is located at the address of Kütahya Province, Eskişehir Road 9. Km 43001 and operates in a total area of 695.270 m² and 68.561 m² closed area. KÜMAŞ Magnesite Inc. produces "Sintered Magnesite, Calcined Magnesite, Fused Magnesite, Kures Powder, Refractory Brick and Mortar".

Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO₂ eq. per 1 tonne of product.

GWP	A1-A3	A4	A5	C1
Fossil	1.93E+03	6.07E+01	0.00E+00	0.00E+00
Biogenic	-3.45E+01	0.00E+00	3.45E+01	0.00E+00
Luluc	2.67E+00	2.96E-02	0.00E+00	0.00E+00
Total	1.90E+03	6.07E+01	3.45E+01	0.00E+00
GWP	C2	C3	C4	D
Fossil	5.01E+01	5.32E+02	2.65E+01	-1.05E+03
Biogenic	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Luluc	2.44E-02	4.33E-01	4.33E-01	-8.51E-01
Total	5.01E+01	5.32E+02	2.65E+01	-1.05E+03

Other environmental impacts

This declaration is limited to the impact on climate change by emissions of greenhouse gases. Further information about other relevant environmental aspects is available in the EPD at www.epdturkey.org and www.environdec.com.

Contact information

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