

# CLIMATE DECLARATION

## FOR FIRED MAGNESIA BRICKS

Functional unit: 1 tonne

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 EN 15804.

### Information about the product



The fired magnesia brick is used as safety lining in lime kilns, iron and steel industry, copper, lead, etc. industries, ladle, electric arc furnaces and converters. Fired magnesia brick is used as safety lining in the industry and regenerator bricks are used in glass furnaces. Baked magnesite 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 cooking process in tunnel kilns.

### 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 m<sup>2</sup> and 68.561 m<sup>2</sup> 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 CO<sub>2</sub> eq. per 1 tonne of product.

GWP	A1-A3	A4	A5	C1
Fossil	2.25E+03	5.31E+01	1.83E+01	0.00E+00
Biogenic	-3.41E+01	0.00E+00	3.41E+01	0.00E+00
Luluc	2.96E+00	2.72E-02	1.97E-02	0.00E+00
Total	2.22E+03	5.31E+01	5.24E+01	0.00E+00
GWP	C2	C3	C4	D
Fossil	5.01E+01	4.45E-03	1.48E+02	-9.75E+02
Biogenic	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Luluc	2.44E-02	5.81E-06	5.86E-02	-1.04E-00
Total	5.01E+01	4.46E-03	1.48E+02	-9.77E+02

### 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](http://www.epdturkey.org) and [www.environdec.com](http://www.environdec.com).

### Contact information

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