

CLIMATE DECLARATION

FOR CERAMIC TILES

Declared unit: 1 m² of ceramic porcelain tiles

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.

Information about the product

Kaleseramik Ceramic Porcelain Tiles are primarily made of clay, kaolin and feldspar but they also include other raw materials.

Kaleseramik Ceramic Porcelain tiles can be used in several applications such as interiors, exterior façades, pools, public places, commercial buildings, etc.



Information about the company

Laying its foundation with Çanakkale Ceramic Factories Corporation in 1957, Kale Group pioneered the formation of the ceramics industry in Turkey. Today, Kale Group is Europe's 3rd and the world's 12th largest ceramics manufacturer. Kale Group provides its products to consumers in over 100 countries via more than 400 sales points. Kale, a company of Kale Group, manufactures ceramic tiles with a production capacity of 66 million m² ceramic tile/year. Kaleseramik's tile products take place in market under Çanakkale Seramik, Kalebodur and Kale brand names. Kaleseramik, being aware of its environmental responsibilities, takes necessary measures in all stages from planning, production and delivery to protect the environment.

Climate Declaration

The table below shows the emissions of greenhouse gases, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 m² of ceramic porcelain tile. This LCA is cradle-to-grave; includes the product, construction/installation, use and end of life stages.

Product Stage (A1-A2-A3)	Construction/Use/EoL (A4-A5/B2-B6-B7/C2-C4)	TOTAL
14.0 kg CO ₂ eq.	4.64 kg CO ₂ eq.	18.6 kg CO ₂ eq.

Other environmental information

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.environdec.com and www.epdturkey.org.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM	REGISTRATION NO: S-P-00874	VALIDITY: 2023-05-14
PCR: 2012:01 Version: 2.2 & Sub PCR: 2012:01	UN CPC: 3731	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD® SYSTEM
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: doc. Ing. Vladimir Kočí, Ph.D, INDIVIDUAL VERIFIER		APPROVED BY: THE INTERNATIONAL EPD® SYSTEM
LINK TO MORE INFORMATION: https://www.environdec.com/Detail/?Epd=11681		
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 SOCIAL, ECONOMIC, AND ENVIRONMENTAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.		