

CLIMATE DECLARATION

FOR CERAMIC SANITARYWARE
Declared unit: 1 tonne of vitreous china & fine fire clay ceramic sanitaryware

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 Fine Fire Clay and Vitreous China ceramic sanitaryware products is primarily made of naturally occurring raw materials such as clay, feldspar, kaolin. Compared to VC, FFC also contains chamotte which is a preprocessed material produced from kaolin. Sanitaryware is the generic term used to describe items which traditionally were made from pottery. i.e. WC's, Washbasins and Bidets installed within a bathroom or washroom.



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. Kaleseramik's 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 tonne of Kale Vitreous China and Fine Fire Clay Ceramic Sanitaryware. This LCA is cradle-to-gate with options. The included life cycle stages are product manufacture (A1-A3) and disposal (C4). Other modules are not included.

	Manufacturing A1-A3	Total A1-A3-C4
Vitreous China Ceramic Sanitaryware	978 kg CO ₂ eq.	1033 kg CO ₂ eq.
Fine Fire Clay Ceramic Sanitaryware	1075 kg CO ₂ eq.	1130 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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INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: doc. Ing. Vladimír Kočí, Ph.D, INDIVIDUAL VERIFIER	APPROVED BY: THE INTERNATIONAL EPD® SYSTEM	
LINK TO MORE INFORMATION: https://www.environdec.com/Detail/?Epd=11682		
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.		