

CLIMATE DECLARATION FOR SERANIT CERAMIC FLOOR TILES

Declared unit: 1 m² 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.

Information about the product

Porcelain tiles are primarily made of naturally occurring raw materials such as feldspar, clay, albite, pegmatite and other naturally occurring raw materials.



Information about the company

Seranit was established in 1992 as the first “Technical Porcelain” manufacturer of Turkey and has been manufacturing ceramic and 100% porcelain tiles for both interior and exterior application. Seranit adds value to spaces with an innovative approach, rich color, effect and size range, and trend-setting designs. Today, Seranit continues production at their Bilecik Plant with a production capacity of 8.5 million sqm and Eskişehir plant with a production capacity of 10 million sqm. Based on the quality of work, emphasis on the human and environmental capital, Seranit is awarded the national and international standards such as TSE ISO EN 14000 and 14001:2004, TS 18001:2008, TSE ISG OHSAS TS 18001, ISO 9001:2008, TSE EN 14411 and the first TSE Double Star Certificate on TS EN14411.

Climate declaration

The table below shows the greenhouse gas emissions, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 m² of ceramic floor tile. This Climate Declaration is based on an Environmental Product Declarations (EPD) and a comprehensive Life Cycle Assessment (LCA) study from cradle to-grave, including product, construction/installation, use and end of life stages of porcelain tiles by Seranit.

Product Stage (A1-A2-A3)	Construction/Use/EoL (A4-A5/B2-B5/C1-C4)	Total
10.2 kg CO ₂ eq.	8.82 kg CO ₂ eq.	19.0 kg CO ₂ eq.

Other environmental impacts

For the full EPD, see www.environdec.com or www.epdturkey.org.

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-00675	VALIDITY: 2025-01-19
PCR: 2012:01 VERSION 2.3	UN CPC: 37310	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: VLADIMÍR KOČÍ		ACCREDITED / APPROVED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD® SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS CLIMATE DECLARATION ONLY ADDRESSES ONE 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 IMPACT CATEGORY DISPLAYED			