

CLIMATE DECLARATION

FOR GRP PIPES

Declared unit: 1 tonne of GRP pipe with coupling

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from ISO 14040/44 Life Cycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.

Information about the product

A composite material is a combination of two or more materials together in order to create a unique material with superior properties of individual components.

SUBOR GRP Pipes and Fittings are composite materials and have all the superior properties of the technology. GRP composites are used in more and more applications due to the high strength and low weight in combination with the corrosion resistance



Information about the company

SUBOR, founded in 1996 with the purpose of manufacturing and trading GRP (Glass Fiber Reinforced Plastic) pipes using the Advanced Continuous Filament Winding Technology worldwide, is a partnership of Yapı Merkezi Holding and Amiantit Group of Companies.

Having the privilege of being the first technological facility in Turkey in the field of GRP pipe production using its own R&D and developed technology, SUBOR offers solutions for different infrastructure applications for over 25 years with its wide variety of products and service portfolio, ranging from circular pipes to non-circular pipes, from jacking pipes to biaxial pipes.

Climate Declaration

The table below shows greenhouse gas emissions, calculated as carbon dioxide equivalents (kg CO₂ eq.), for 1 tonne of GRP pipe with coupling produced using continuous filament winding technology. The included life cycle stages are raw material supply, transport and product manufacture (A1-A3), transport to site (A4), construction/installation (A5), deconstruction/demolition (C1), transport to disposal site (C2), waste processing (C3) and disposal (C4). Other modules are not included.

Carbon Footprint of 1 tonne GRP Pipes, kg CO ₂ eq.			
Product Stage (A1-A3)	Construction Stage (A4-A5)	EOI Stage (C1-C4)	TOTAL
1,693	262	483	2,438

Other environmental information

This declaration only focuses on the impact on climate change by greenhouse gases emissions. Other environmental impacts are also 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/library/epd4076			
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			