

CLIMATE DECLARATION

FOR TEKNOPOR EPS from Teknopanel Sakarya
Declared unit: 1 R (m²K/W) Teknopor Type 16 kg/m³ Graphite
Insulation EPS Materials

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

Information about the product

Teknopor EPS “expanded polystyrene rigid foam”, is an economic and lightweight thermal insulation material derived from petroleum in the form of foam, generally white thermoplastic consisting of 98% air and 2% plastic with closed porous structure. This product is manufactured in Sakarya factory of the Teknopanel.



Climate Declaration

The table below shows the emissions of greenhouse gases, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 R (m²K/W) tekpor type 16 kg/m³ graphite insulation EPS materials. The included life cycle stages are upstream (A1), core process (A2-A3), downstream (A4-A5/C1-C4) and benefits and loads (D).

Upstream & Core (A1-A3)	Downstream (A4-A5, C1-C4)	Other (D)
2.70 kg CO ₂ eq.	0.640 kg CO ₂ eq.	-0.61 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.

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Information about company

Teknopanel provide service to the industry with 4 different brands under Teknopanel including Teknopanel Sandwich Panels, Deltapan, Teknopor EPS Products and Teknosistem Exterior Thermal Insulation Systems.

The journey began in Mersin plant where our headquarter and first production facility was established on an area of 34.000 m². Based on our objective to manufacture at a high standard, our Sakarya factory which covers an area of 35.000 m² was established in 2013. We sustain our growth strategy with our latest investments that we open in 2016 in Manisa, which covers an area 46.000 m² and in 2018 in İstanbul which covers an area of 8.000 m². We increased the area of our production facilities to 123.000 m² in total.

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INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: doc. Ing. Prof. Vladimír Kočí, INDIVIDUAL VERIFIER		APPROVED BY: THE INTERNATIONAL EPD® SYSTEM	
LINK TO MORE INFORMATION: https://www.environdec.com/library/epd4118			
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			