

# CLIMATE DECLARATION

FOR ALUMINIUM COMPOSITE PANELS  
Declared unit: 1 m<sup>2</sup> Aluminium Composite Panel

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-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

Aluminium Composite Panels consist of a white-coloured low-density polyethylene and mineral core bonded between two Aluminium panel sheets. They are classified based on their resistance to fire according to TS EN 13501-1 standard:

A2: Non-combustible  
B1: Difficult to ignite  
B2: Combustible

SARAY Aluminium Composite Panels can be applied to external cladding buildings (building facades) as well as any form of cladding such as partitions, false ceilings etc.



## Information about the company

With over 36 years' experience in Aluminium extrusion and surface finishing industry, SARAY are one of the leading companies in Turkey for production of Aluminium extrusions used in manufacturing window/door systems, facade and curtain walling. The company has two production sites, under a total of 90,000 sq.m covered area. SARAY is ranked among the top 200 industrial companies in Turkey. SARAY, 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 CO<sub>2</sub> eq.) for 1 m<sup>2</sup> of Saray A2, B1 and B2 aluminum composite panels. The included life cycle stages are raw material supply, transport and product manufacture (A1-A3) and disposal (C4). Other modules are not included.

Panels	Manufacturing A1-A3	End of life C4
Saray A2	7.19E+01 kg CO <sub>2</sub> e	3.50E+00 kg CO <sub>2</sub> e
Saray B1	7.23E+01 kg CO <sub>2</sub> e	2.05E+00 kg CO <sub>2</sub> e
Saray B2	7.26E+01 kg CO <sub>2</sub> e	1.30E+00 kg CO <sub>2</sub> e

## 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](http://www.environdec.com) and [www.epdturkey.org](http://www.epdturkey.org).

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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: <a href="http://www.environdec.com/en/Detail/epd834">http://www.environdec.com/en/Detail/epd834</a>		
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