TO THE FUTURE . . .

SUSTAINABILITY

Albond® product sustainability involves various processes, including EPD, LEED, BREEAM, DNGB, LCA (Life Cycle Assessment), GREENQUARD GOLD, VOC Test, and environmental manufacturer approvals.

Although Albond® Composite Panel is mainly made of light aluminum, it is a building material that combines metal strength, superior smoothness, vibration absorption, extreme durability, and ease of maintenance. It expands the capabilities of architects and designers and enables the creation of original designs.

Albond® Aluminum Composite Panel is a composite building material consisting of two pre- treated painted aluminum sheets joined by using mineral-filled lamination method.

All Albond® materials are designed, manufactured and supplied with sustainability in the LEED green building certification system. EPD provides the project owners demanding LEED document in materials and resources category with points in certification processes.

When you choose Albond® products, you choose to reduce your environmental footprint through the following:

- More efficient production with less waste,
- High percentage of recycled material,
- The opportunity to build with higher thermal efficiency and solar reflection,
- Negligible VOCs and other potentially harmful compounds,
- Robustness and finish durability to ensure decades-long service life,
- We Create the Future without Consuming

W ith easy recycling at the end of life with almost 100% recovery!

TO THE FUTURE . . .

EPD (Environmental Product Declaration)

Environmental impacts of Albond products that can be measured by using Life-Cycle Assessment (LCA) has been assessed. They were documented in the EPD report and internationally verified and published on relevant platforms.

Environmental Product Declarations (EPD) were published on different international platforms, including

The International EPD System
(www.environdec.com)
EPD Turkey website
(www.epdturkey.org)
and on the ECO Platform
(www.eco-platform.org) In Europe.

EPD declarations made according to ISO 14025 Standard have been drawn up in accordance with directives stipulated in ISO 14040/44 Standards for Life Cycle Assessment (LCA) reports in compliance with European Norm EN 15804 and approved by independent the validators and declared on the International EPD System Platforms.

You can download the EPD of our ALBOND® Albond PE, FR and A2 Aluminum Composite Panel and Albond HDPE, PVDF and PE Painted Aluminum Sheet products from the link below.

EPD-Environmental Product Declarations allows us to earn points in the category of materials and resources subject to certifications such as, LEED, BREEAM, and DNGB.

LIFE CYCLE ASSESSMENT (LCA)

In our EPD environmental product declaration study, the life cycle assessment for all of our Albond products was made according to ISO 14040/44 Standards.

This method was employed for assessing information, including source efficiency and quantity of waste generated whereby the environmental impacts of the product during its life cycle, which begins with the extraction and processing of raw materials and continues with the production, utilization, end of life cycle, and disposal of the product, can be calculated, measured, and reported in accordance with ISO 14040/44 Standards.

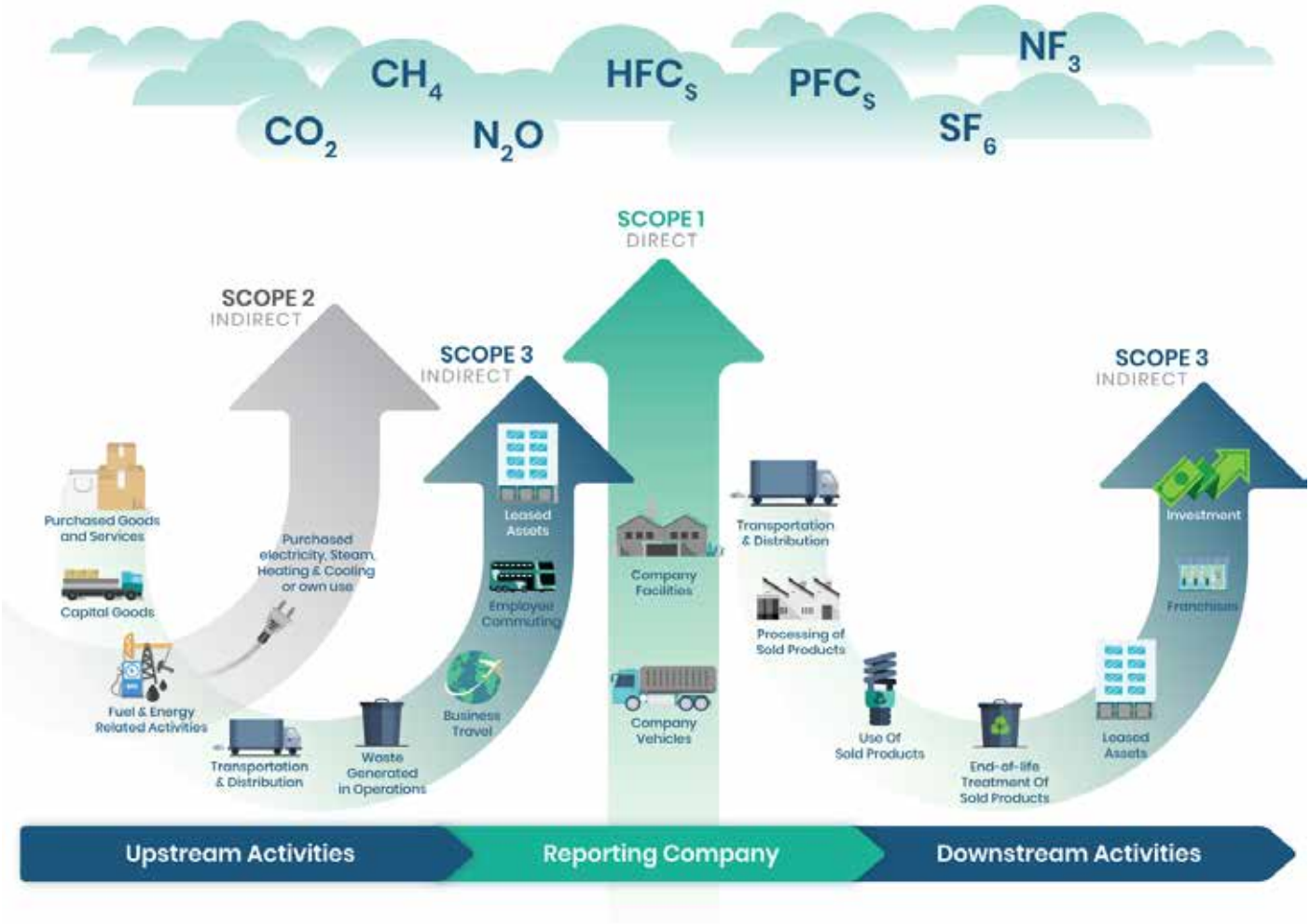
LEED (Leadership in Energy and Environmental Design)

Green buildings require models and projectapplications that are related to energy efficiency and human health.

LEED is the most preferred green building certification rating system in Turkey and the rest of the world.

LEED certification can be obtained for all building types. Thanks to the EPD environmental product declaration, which includes PE, FR and A2 Aluminum Composite Panels and HDPE, PVDF and PE Painted Aluminum Sheet products in the LEED green building certification system, ALBOND provides points for project owners who desire to obtain LEED certificate in the category of materials and resources according to LEED 3, 4, and 4.1 as part of building certification processes.

You can access the LEED Declaration Document for Albond products on the Albond website.



ISO 14064 Corporate Carbon Accounting, Reporting and Verification

The aluminum sector is among the five energy-intensive sectors within the scope of the EU Green Deal in 2022.

Albond's process of reporting and verifying its carbon footprint within the scope of ISO 14064 is on-going.

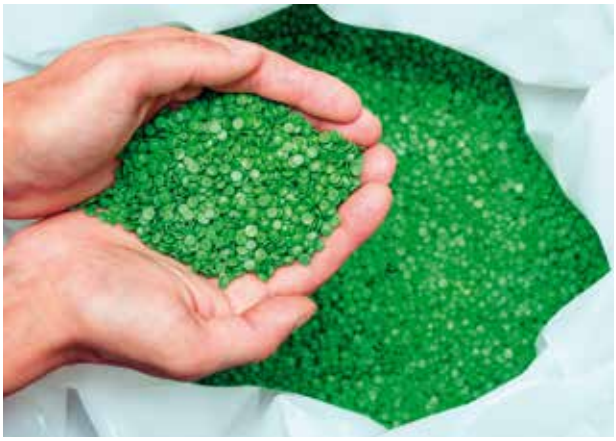
The carbon footprint is found out by calculating the impact of greenhouse gases such as carbon dioxide (CO2), methane (CH4), nitrogen oxide (NO2), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulfur hexafluoride (SF6).

In addition to carbon footprint studies, Albond continues to work on Scope 1, 2 and 3 greenhouse gas emission in compliance with ISO 14064 in the reports of sustainability reports such as GRI G4.

Recycling

Albond Composite Panel is completely produced from recyclable raw materials. The aluminum used on the upper and lower surfaces and the core material between it can be recycled and used as a main raw material by transforming it into other products.

Albond Aluminium Composite Panel and Albond Painted Aluminum Sheet have no harmful effect on the ENVIRONMENT and NATURE.



Aluminium is the second most abundant metal element found on earth. Its extraordinary properties such as lightness, resistance, and recyclability make it the material of the future. During processing, its properties and quality are not affected during recycling. It does not break, burn, corrode and is 100% recyclable.

Recycling aluminium ensures 95% energy saving. One of the biggest advantages of aluminium is that it is infinitely recyclable with direct environmental and economic benefits.

Why Recycling ?

- It contributes to the conservation of the environment.
- Resources are used more economically.
- It boosts efficiency.
- It decreases the quantity of solid waste.
- It increases soil fertility.
- It provides an economic asset.
- It reduces environmental pollution.

ALBOND® products are the materials of the future thanks to high recyclability. These panels are also EPD certified, accrediting their low environmental impact.

They are fully recyclable and used in the production of new materials.

It is the high material value of aluminium that provides the most important incentive for the economy in terms of recycling.

Scrap smelting requires only about one-fifth of the energy required for primary production. Therefore, the benefit of recycling for the environment is very obvious.

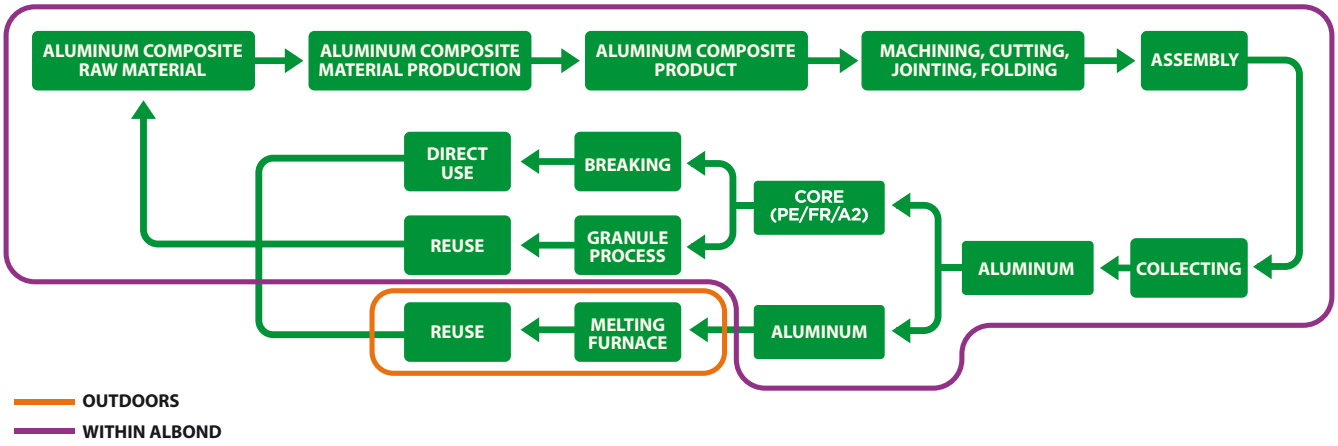
Recycling in Albond

In its own facilities, Albond recycles components that make up painted aluminium and aluminium composite panel as part of its environmental responsibility.

At the same time, it turns this into added value.

It separates the core and aluminium forming the panel in its own facilities. It enables the core material to be reused by subjecting it to a number of processes. It send aluminium to enterprises that have melting furnaces so that thes materials can be reused.

Using the system, it has developed, Albond simultaneously recycles polyethylene and mineral- filled edge materials while production continues in its own production facilities, and simultaneously transforms it into added value.

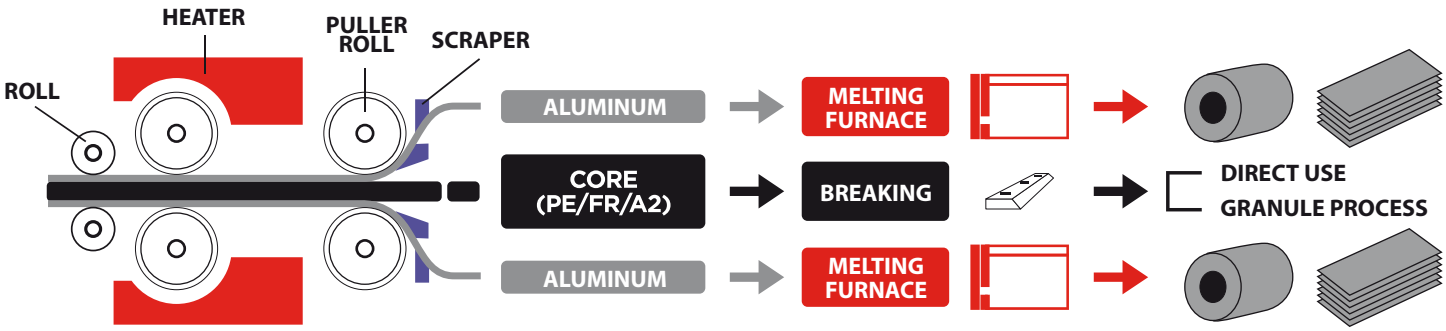


Recycling in Albond

Raw materials simultaneously recycled are used as added value while wedge and panel materials that constitute wastage at the beginning and end of the production process as well as aluminium plates and core materials between them are recycled in the same way in order to be recycled in the same way.

Solvent-based paints with the highest external resistance are used in Albond facilities.

After production, inert paints are sent to theAlbond laboratory and Paint Mix department within Albond. Likewise, solvents left over from production or used for cleaning are sent to outdoor solvent separation facilities. Inaddition, dirty and unusable solvents are separated again according to the condensation-evaporation principle and used asa clean solvent.



KEMAH GROUP

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