

# STACBOND

Recycling

**We give aluminium composite panel  
a second chance**



**more than you see**

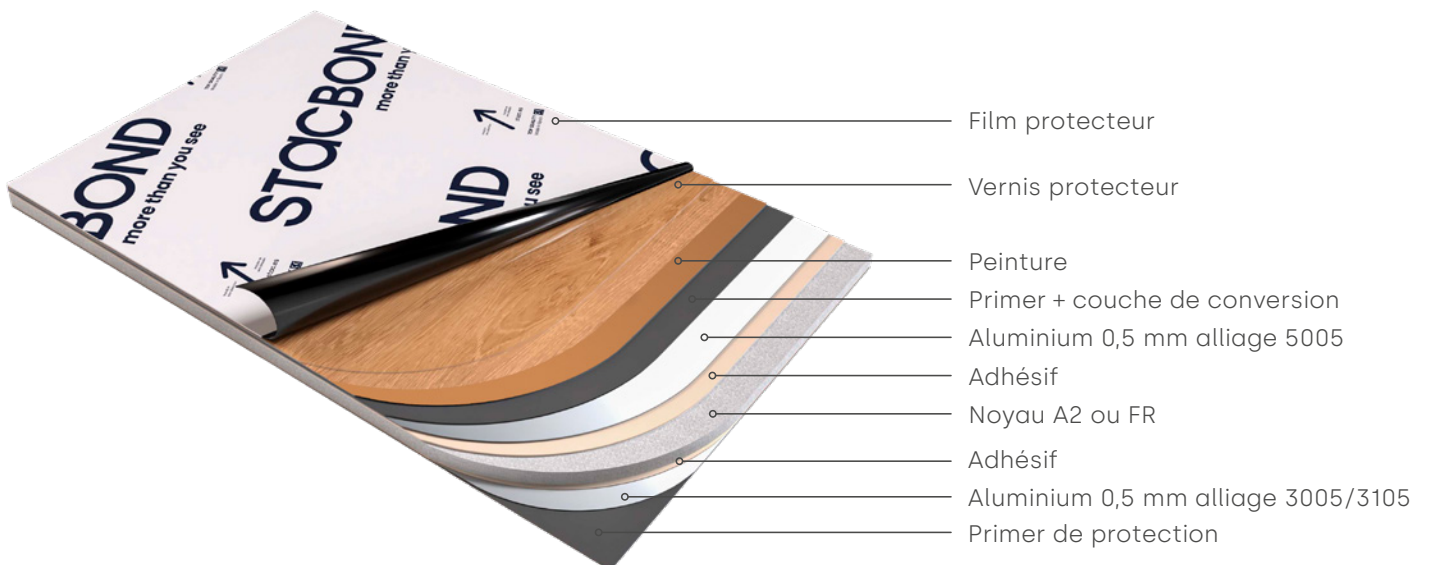
# 100 % Recyclable



## Composition

The STACBOND® composite panel is a material composed of two aluminium sheets and an inner core with mineral fillers. It has excellent mechanical properties, providing bending stiffness with a reduced weight, a flat surface, durability and ease of maintenance.

Its production standard consists of an exterior 5005 aluminium alloy sheet and a 3105 inner sheet. Two different core materials are available in terms of mineral content, including incombustible or flame retardant, which in accordance with standard UNE 13501-1:2007 are class A2-s1 d0 (STACBOND® A2) and class B-s1, d0 (STACBOND® FR).



## **STACBOND: commitment to recycling**

Besides being effective, long-lasting, versatile and aesthetic, our construction materials must maintain a minimal impact on the environment. At STACBOND we are committed to nature, which is why we design and market aluminium composite panels within a strict reuse and recycling management plan.

STACBOND has implemented the STACBOND RECYCLING programme, a waste collection system to reduce the environmental footprint of its products as far as possible. Therefore, we reuse the same pallets as those used for deliveries and, in addition to these transport elements, we make use of surplus material from the production and installation of panels to manufacture new products.



**Forget all about recycling your composite panel offcuts, STACBOND will do it all for you.**

## **STACBOND Recycling**

STACBOND recycles and reuses the aluminium composite material that is discarded during manufacturing, before being used in the panels that are eventually sold. Both the core and the

aluminium are reintroduced into the production process, closing the cycle. By doing so, we promote the circular economy and give the raw materials used a second chance, preventing unnecessary waste.



## Recycling process

The procedure used by STACBOND to recycle all the composite panel offcuts generated during the entire installation process of a facade makes it possible to minimise the waste of raw materials and the environmental footprint of the activity, and reintroduce these materials in the production process. Any parts discarded as scraps must be placed on the same wooden pallets used for deliveries, making it possible to reuse them and facilitating logistics.

After reaching a certain volume, STACBOND is notified to manage collection. These materials are transported on trucks integrated within a logistics system that prevents the need to use containers and empty return transport. Once the material

arrives at the STACBOND factory, the pallets are reused, preventing the need for new wood.

Panel offcuts are classified according to their core type: FR, A2 or PE. The core is then separated from the aluminium, using a complex system that enables the separation of the by-products making up the composite panel. The aluminium is pressed to reduce its volume and facilitate its storage and handling. It is then melted, resulting in a new recycled aluminium that can be transformed into coils. As for the heat resistant core, it is crushed and cleaned of any possible impurities, to be transformed once again into a raw material, which can be reused in the production cycle to manufacture STACBOND panels.



# Environmental commitment

All STACBOND A2 and STACBOND FR products have obtained EPD certification. The Environmental Product Declaration is a document that establishes the environmental footprint of a product, from the beginning of its manufacturing process until it leaves the plant where it was made.

STACBOND is also ISO 14001 certified, thanks to the Environmental Management System (EMS) implemented at our facilities, which complies with the requirements of this standard.



**STACBOND**  
Our commitment to the planet



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