



## ENVIRONMENTAL PRODUCT DECLARATION FOR FLAT BY ARTIS PARTITION WALLS AND DOORS SYSTEM

At **Flat by Artis** we are committed to the environment and we pursue the environmental excellence of our products and services.

We work to achieve a more sustainable, less polluting and cleaner world.

We use materials that are friendly to the environment, non-toxic, non-polluting and 100% recyclable and reusable.

### PARTITION WALL SYSTEMS

This environmental product declaration includes all the series of partition walls manufactured by Flat by Artis: **Flat BOX, Flat FOUR, Flat TEN, Flat SET, Flat TOP and Flat MOVE.**

At Flat by Artis we manufacture **sustainable partition systems** with a positive environmental impact, with a low carbon footprint and avoiding the use of panels produced with formaldehyde.

Products manufactured by Flat by Artis do not contain any hazardous substances included in the “Candidate List of Substances of Very High Concern for Authorization” of the European Chemicals Agency.

Flat by Artis partition wall is **100% reusable**. It has the ability to be disassembled and reassembled as many times as necessary. It is timeless product that does not have an expiration date, and once its useful life is over, it leaves no waste.

### MATERIALS

Flat by Artis implements a responsible use of resources, choosing materials with low environmental impact and easily recyclables.

#### Aluminium

The aluminum profiles manufactured by Flat by Artis are principally made out of remelted alloys which are largely recycled material. Aluminum can be **recycled repeatedly**, without losing quality and inherent properties of the metal.

Use recycled metals saves energy and preserves natural sources. Therefore, the increasing use of recycled aluminum in many applications awards it the recognition of **green metal**.

The aluminum profiles of our Flat by Artis partitions have a lacquered or anodized finish. These treatments are respectful with the environment, improve the properties of aluminum and extend its useful life.

During the production of aluminum profiles, all post-industrial scrap is sent to recycling centers.



## Glass

In glass manufacturing, the extraction of raw materials is limited by promoting the use of **recycled glass**.

The approach taken by our glass suppliers is based on awareness and improvement of the environmental footprint of their glazing solutions. In addition, they work in the line of **energy saving**, optimizing the combustion of the furnaces and thus **reducing CO<sub>2</sub> emissions**. The latest generation furnaces are equipped with filters that limit emissions into the atmosphere.

Once the useful life of the partition wall is over, the glass is **100% recyclable and/or reusable**.

## Wood and wood products

Flat by Artis suppliers use **recycled wood** as raw material. In addition, they **reuse** part of the waste to produce thermal energy and green electricity in their **biomass** power plants.

All the wood products used by Flat by Artis have a content below the threshold values of the European formaldehyde class E1 (less than 0.007%).

The Flat by Artis partition mainly uses decorative melamine boards and laminated boards. These products have a totally "closed" liner. This means that when they leave the factory they do not contain **free formaldehyde**. For this reason, our partition wall with wooden panel does not generate any emissions.

## Rock wool

Our suppliers use raw materials of natural origin that stand out for their **abundance in the earth's crust** such as volcanic rock or silica sand.

Mineral wool insulators guarantee a high level of comfort and **reduction of energy costs** derived from the use of the building. Emissions of carbon dioxide (CO<sub>2</sub>) to the atmosphere are minimized, heat losses are avoided, noise pollution is reduced and facilities are protected from fire hazards.

The product contains in its mineral wool at least 46% of recycled raw materials.

## Sealing profiles

In our glass partition we use polypropylene and polycarbonate sealing profiles.

This product is ultra-protected against UV.

This material is **free of phthalates** and complies with **ROHS and REACH regulations** on the use of chemicals.

Once their useful life is over, they are 100% recyclable materials.

## Steel accessories such as screws and clamps

Steel is a stable compound of iron and carbon with various added alloys.

At the end of the product life cycle, steel components can be melted down and completely recycled.



## PRODUCTION PROCESS

At Flat by Artis we are fully aware of the environment and we work daily to **improve and optimize our processes**.

In our production processes, we have implanted continuous improvement systems which help minimize **energy consumption**.

During the manufacturing process of the partition system, no **water consumption** is required.

100% of the **waste** resulting from the manufacturing process is recovered, reused and/or recycled.

During the manufacture of Flat by Artis products:

- We DO NOT emit **greenhouse gases** which contribute to global warming.
- We DO NOT produce breakage of compounds that contain **chlorine and bromine**, which contribute to the destruction of the stratospheric ozone layer.
- We DO NOT emit **acidifying substances** that have negative impacts on natural ecosystems and the environment.
- We DO NOT produce any type of **spillage into water or surfaces** that may cause adverse biological effects.

## PACKAGING

At Flat by Artis we use packaging made from **recycled cardboard** and **recycled wood**. These packaging, once used, are 100% collected and 100% transformed and reduced to its elemental components (recovered material).

## INSTALLATION

During the installation of the partition wall, all the waste generated is collected for **reuse, recovery and/or recycling**.

## USEFUL LIFE

The duration of Flat by Artis products reaches the same average life associated with the building in which it is installed, usually considered to be 50 years, but it can actually last many more years.

Once the installation is completed, the product does not require any technical action or operation. Therefore, Flat by Artis products have **no impact on the environment** throughout their life cycle.

When the partition wall reaches the end of its life, all components are collected thoroughly and sent to **recycling centres**.

## REFERENCE RULES

ISO 14001 Environmental management systems.

ISO 14025 Environmental labels and declarations. Type III environmental declarations.

ISO 14040 Environmental management. Life cycle assessment.

ISO 21930 Sustainability in building construction. Environmental declaration of building product.