

## Carbon Footprint

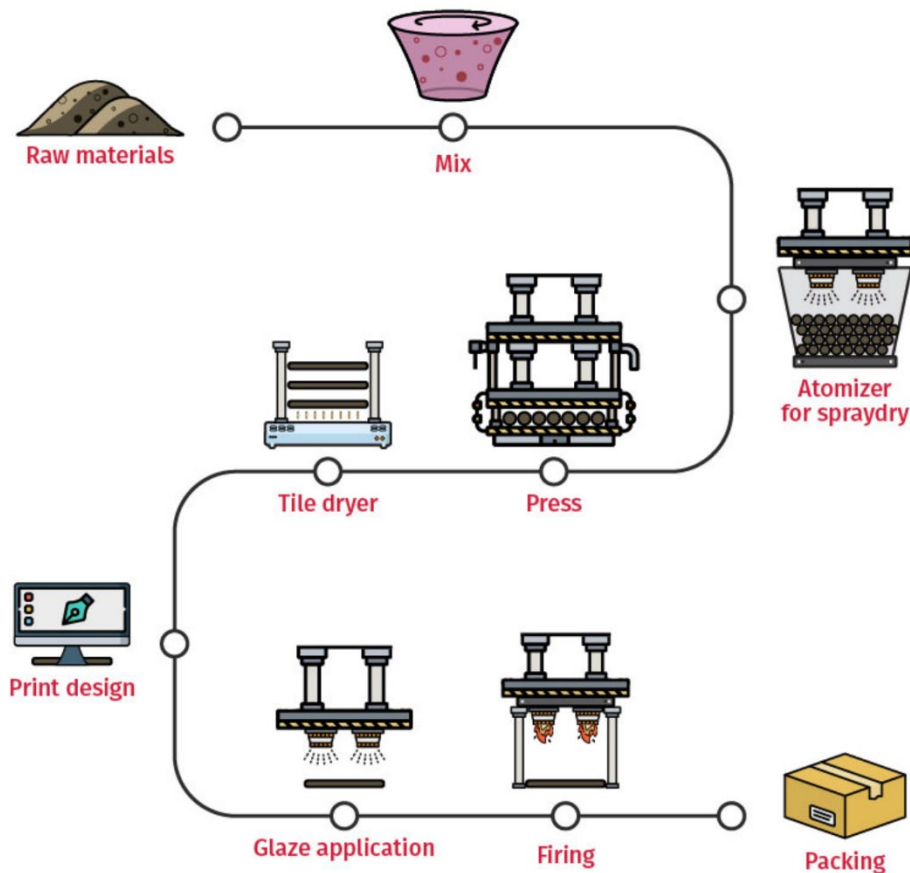
### Tempio systems:

Tempio products evolved from the merger between the commitment to energy efficiency and sustainability of the Mayor, with the need of some architects who proposed to us to make exterior coverings with customised solutions.

Regarding floor tiles, we have always designed construction needs for terraces and exteriors.

We knew how to do it, so we started working on it, and after several years of studying and analysing the best solutions, we created our own ventilated facade system

### Product lifecycle:



## **TEMPIO ENVIRONMENTAL MEASURES:**

### **Procurement of materials:**

- The Ventilated Facade tiles from CERAMICA MAYOR, S.A. have manufactured blending clays, pheldespatas and natural oxides.
- The tiles do not contain asbestos or any harmful mineral in their chemical composition.
- The vitrification process of raw materials at high temperatures incorporates all the oxides present in the mixed material in a vitreous matrix, thus stabilizing and inserting the product.
- The resulting product is an inert product that is not dangerous to the environment.

### **Waste management :**

- The waste management policies, Innovation & handling techniques have resulted in a 15 % constitution of recycled material.
- The substructure elements such as Rails, Clips, and Baguette fixings are produced using the recycled aluminium ingots
- The ingots are acquired from 25 % of scrapped aluminium from other industries and 75 % from their production.

## **CO2 footprint:**

- The extent of CO2 gas emissions generated by CERAMICA MAYOR S.A. in the performance of its operations is regulated by the Spanish law 1/2005 (this law is the transposition of the European Directive 2003/87/CE).
- This European Directive define the EU emissions trading system (EU ETS), which is a cornerstone e of the EU's policy to combat climate change and its key tool for reducing greenhouse gas emissions cost- effectively.
- CERAMICA MAYOR S.A. is audited in situ every year by an EU Emissions Trading Systems authorized body (ENAC/App+). This body validates the proper compliance of the European regulations by CERAMICA MAYORS.A.
- CERAMICA MAYOR S.A is actively involved in and committed to research and innovation to achieve carbon Zero.

## **End of Service Life :**

- At the end of the life cycle of the ventilated façade ( such as in Building demolition );  
The total amount of Building waste is less than 1% of the building
- The wastage ( Finished service life products ) can be used as a Natural landfill.