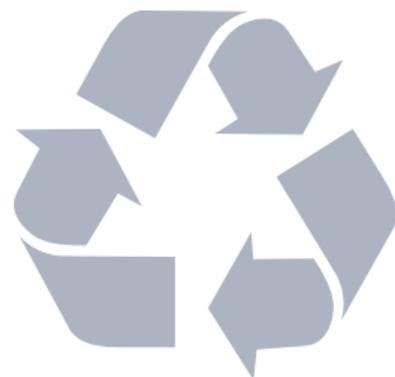


A PATHWAY TO CIRCULAR ECONOMY

SAINT-GOBAIN GLAZING:
AMBITION AND ACTION FIELDS
TOWARDS CIRCULAR ECONOMY



Do you know that 30% of Saint-Gobain's glazing is made from recycled material (cullet), including 11% coming from glass processing sites (pre-consumer)?

"Circular economy is an industrial system that is restorative or regenerative by intention and design."

Ellen MacArthur Foundation

The traditional linear model 'take-make-use-dispose' is no longer viable. A circular economy aims at replacing it by considering the following aspects:

- Reducing resources dependency (in particular on extractive resources)
- Transforming a waste stream into secondary raw material
- Increasing product longevity
- Facilitating products end-of-life recycling (easy dismantling, limit toxic substances content...)

Circular Economy ambition for Saint-Gobain

Buildings contribute considerably to **global waste production** and they consume significant **natural resources** for their construction. For these reasons, Saint-Gobain is committed to playing a leading role in creating sustainable buildings and **introducing circular economy principles** into its product streams and activities.

Our sustainability approach considers **each stage of the product life cycle**. We strive to **minimize** the environmental impacts of our activities with 3 main priorities.



Our actions fields for Circular Economy

1

MORE RECYCLED CONTENT IN OUR GLAZING

By striving to increase the amount of recycled content in our glass, we aim to preserve natural resources and reduce our carbon footprint. To do so, we are constantly pushing the limits of our industrial know-how to **accept more recyclable materials** (from industrial scraps and end-of-life glazing) at our flat glass manufacturing sites (floats).

2

BETTER PRODUCT DESIGN

As a manufacturer, we innovate to offer **new solutions** that will be **easier to collect, reuse and recycle** in the future. In particular, our Eco-innovation roadmap incorporates projects that make **eco-designed products** that are easier to dismantle and to separate, and which material can better be valorized thanks to a better **traceability** (i.e. *RFID Radio-frequency identification*).

3

NEW SOLUTIONS FOR END-OF-LIFE GLAZING

We put our glass material expertise and our innovation capacities at the service of a more **virtuous value chain by raising awareness** among the building professionals and leading on-site experimentations (like pilot deconstruction or renovation projects), to contribute to invent **innovative sustainable services** for end-of-life glazing.



Launched in 2017, the [GLASS FOREVER](#) program is a **complete sustainability approach** which includes all our stakeholders: from customers to employees including our suppliers and our local partners, based on five pillars:

- Invent Sustainable Habitat,
- Encourage Employees' Growth,
- Limit your Environmental Footprint,
- Take Action across Supply Chain,
- Support Local Community.