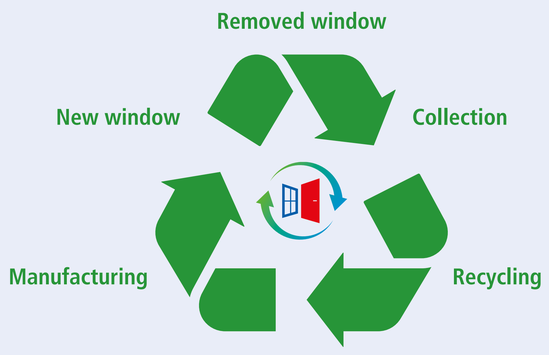
Network dedicated to the recycling and valorization of windows

CONTEXT

- Windows : 2 to 5 % of the GHG emissions of a new building
- 8,000,000 end-of-life windows each year
- Every component of a window can be recycled
- Scarcity of raw materials
- Decarbonisation Roadmap
- Corporate CSR



Significantly reducing the carbon footprint of windows is an ecological challenge that requires the use of Recycled Raw Materials (RRMs) and is organised on an industry-wide scale. The benefits of this recycling will only be significant if there are sufficient volumes to meet the needs of industry (around 10 million windows are manufactured each year in France).

Its aim is to massively increase the **closed-loop recycling of end-of-life windows** throughout France and to contribute to the **development of this RRMs sector for windows** (control of RRM sourcing). Since 2020, the network of windows'life cycle (manufacturers, installers, dismantlers, generators & users of RRM and associated professions) has been expanding (140 FERVAM signatories in January 2024).

Signatory map

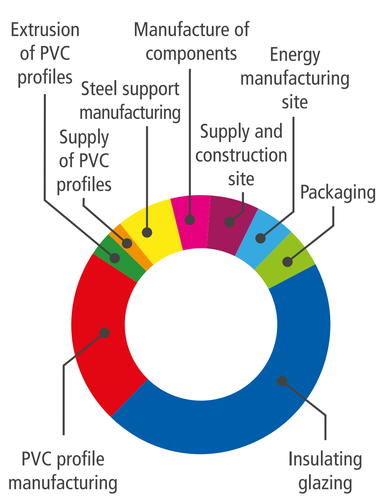
Collection points map

Removal points map (site and firm)

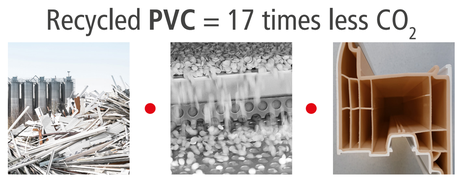
The major part of **RRM used in window manufacturing can only come from windows**. However, obtaining RRM from end-of-life window means that everyone has to **comply with strict proper selective sorting** (without breaking glazings) **and palletising instructions**. Implementing this closed loop requires the involvement of everyone and the **sharing of good practice** between players in the life cycle.

FERVAM has set a unique network of French actors and is a real lever for massification of closed-loop recycle of end-of-life winfows. It helps grow the qualitative and quantitative offer of RRM for window manufacturing.

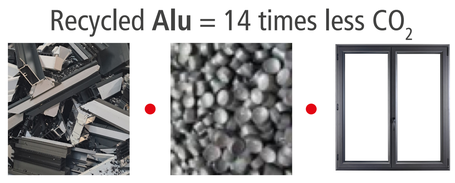
Origin of carbon



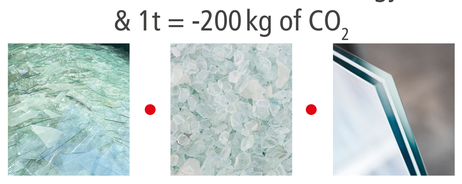
Recycled **PVC** = 17 times less CO_2



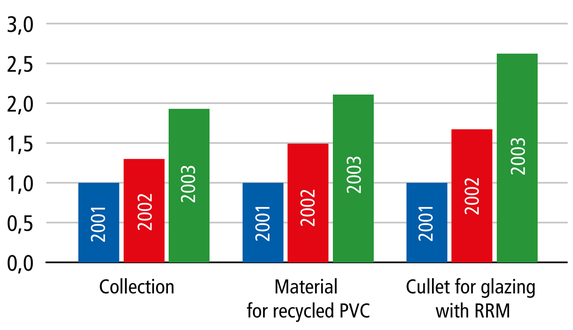
Recycled **Alu** = 14 times less CO_2



Cullet : 10 % = -3 % of energy & 1t = -200 kg of CO_2

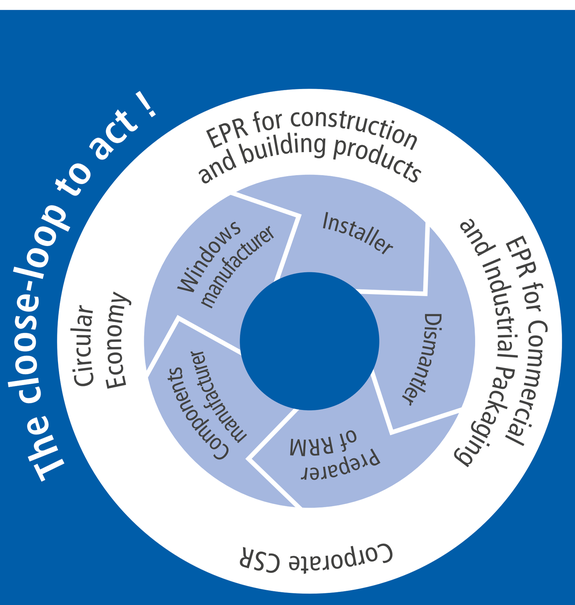


Volume tracking : collection and recycling



Waste collection and recycling is an ecological necessity understood by professionals and general public. Using RRM preserves natural resources and saves energy, so it helps to reduce carbon emissions and limit global warming.

Recycling contributes to the circular economy and create local jobs. Several FERVAM dismantlers are Social and Solidarity Economy (SSE) companies.



The commitments of FERVAM companies are written in a charter which also specifies the elements of proof to be provided and sets objectives. The network is open to all actors in the window life cycle and those in its enlarged ecosystem who wish to contribute. Sharing meetings are regularly organized and tools are developed to facilitate the implementation of this closed-loop recycling and disseminate knowledge.

The 2024 work aims in particular to strengthen the network, consolidate collections and work on the future EPR for Commercial and Industrial Packaging.

Crédits photos : UFME, Deceuninck, Alphapro, Saint-Gobain, Pasquet Menuiseries.