

REHAU
REKURN

**Engineering progress
Enhancing lives**

Circle.Line

Sustainable, functional and robust profile
and panel systems.

www.rehau.com/circle.line



REHAU



The most important market trend: recycle & reuse

Profile technology has been an integral part of REHAU's product portfolio for decades. REHAU's profile expertise lies particularly in the customised design of profiles for every application.



Let's close the loop.

Now, we're putting all our experience under the 'green star', because the path to a circular economy is the only answer to climate change and resource scarcity. Repair, re-use and recycling are important building blocks for achieving this.

We are therefore one of the first suppliers on the market to produce an almost completely recyclable system made from glass fibre-reinforced PET profiles and composite sandwich panels.

And we do so without having to compromise on design, weight and function. The systems continue to be highly functional and can be reworked in a variety of ways.



The benefits:

- Up to 60% higher mechanical stability compared to conventional systems
- Almost fully recyclable
- Enormous CO₂ savings
- Customised assembly options (painting)
- Short production and delivery times

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RETURN

Application options

The sustainable profile/panel system can be used in many areas.

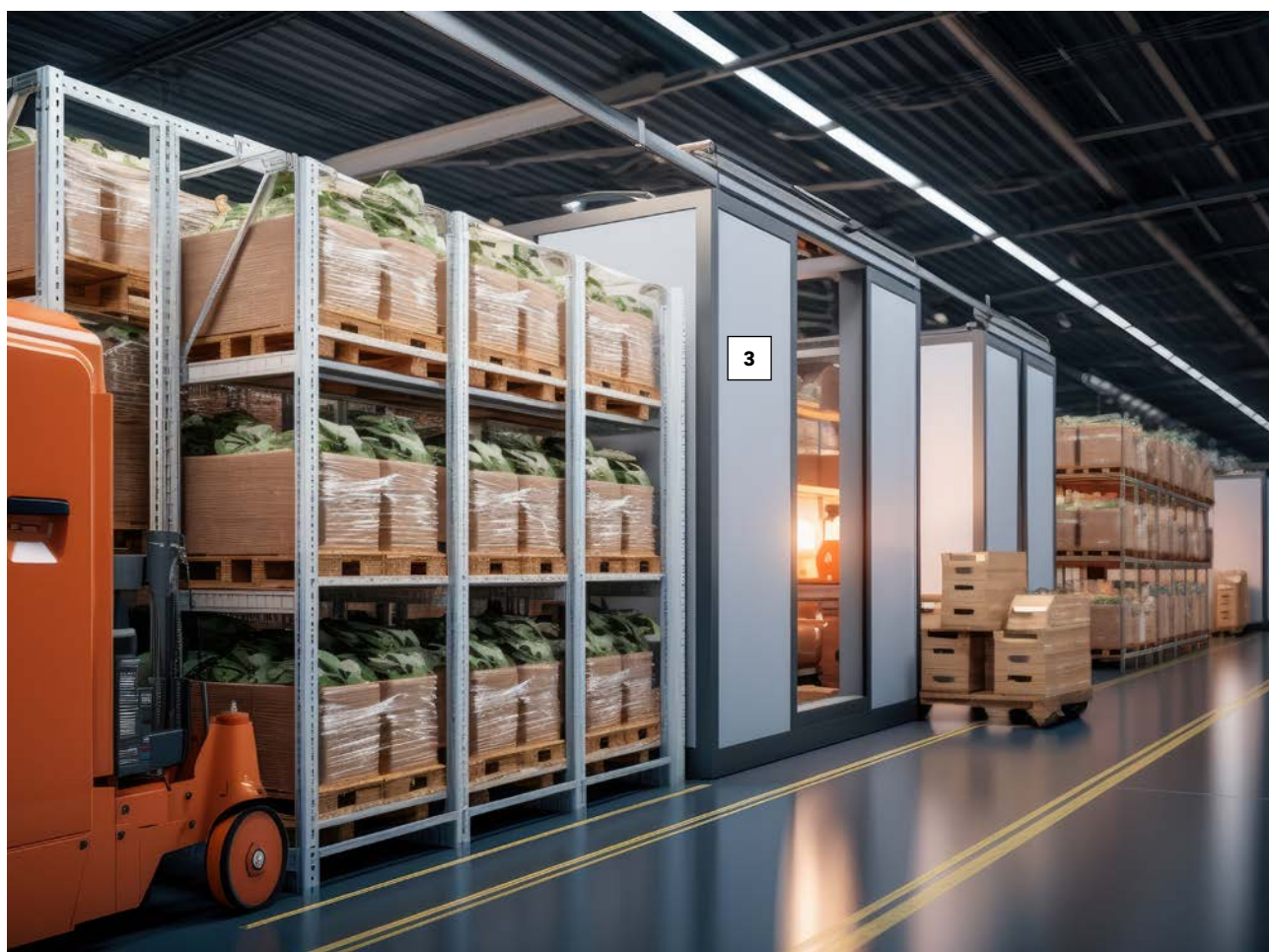


- 1 **Ventilation unit**, use in housing panels (noise and thermal insulation)
- 2 **Public transport**, use in floors and panelling (reduced weight)
- 3 **Deep-freeze chambers**, use in side panels and doors (insulation)

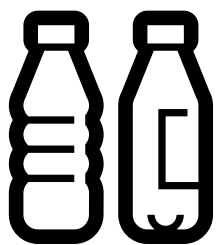


In a pilot project, the components achieved impressive results:

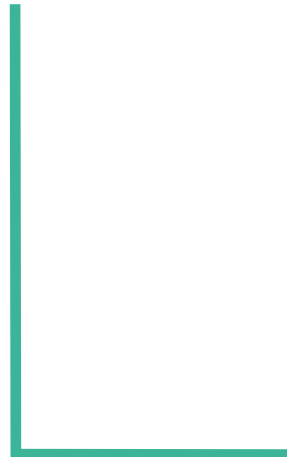
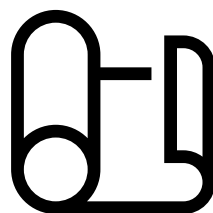
- Up to 60% higher mechanical stability
- No aluminium, no adhesives, no PU foam
→ 97% recyclable
- 72% CO2 savings during production, utilisation and final recycling



The recycling concept



Production sections





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