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**Owens Corning Glass Reinforcements commissions first circular glass fiber production line
*L'Ardoise factory now produces SUSTAINA LOOP fiber, continuously incorporating fiberglass waste back into its production furnace, now running a hydrogen trial to significantly cut CO2 emissions.***

By Ginger Gardiner

SUSTAINA® LOOP by Owens Corning (Toledo, Ohio, U.S.) is a 100% circular glass fiber designed to increase the circularity of the composites industry. Made from reclaimed manufacturing scrap and end-of-life fiberglass, it offers identical performance to the company's traditional Advantex E-CR Glass, providing drop-in compatibility with existing applications in automotive, wind energy, construction and more.



Owens Corning L'Ardoise is actively running a 4-month trial using hydrogen to power its furnace and significantly reduce CO2 emissions. The new line processes manufacturing dry glass waste from customers, which can be reused to produce SUSTAINA LOOP.

The site held a ceremony in December 2025, celebrating the launch of SUSTAINA LOOP in L'Ardoise, which represents a \$7.5 million investment and 16,000 work hours. "Together, we drive industry, circular economy and environmental responsibility forward," says plant leader, Laurent Froc.

This achievement has been recognized by customers such as Ahlstrom, awarding Owens Corning "greatest product carbon footprint reduction," and SUSTAINA LOOP was selected as a finalist in the "Unsurpassed Innovation" category for the 2025 CAMX Awards as a leading advancement in composites circularity.

Sustainable glass fiber products

From its SUSTAINA LOOP website, Owens Corning explains that it reclaims glass waste, preventing it from going to landfill. After meticulous testing and analysis, it is remelted and transformed into glass fiber to create the company's Type 30 single-end roving products, such as Pulstrand 4100 and SE1200 products. SUSTAINA LOOP glass fibers are then sized to match the performance and characteristics of each product/application.

In addition to SUSTAINA LOOP, the company offers SUSTAINA corrosion-resistant glass fiber made with up to 100% circular content in [multi-end roving](#) and [dry-use chopped strands](#).

Read more about Owens Corning's partnerships to build global recycling and circularity:

- [Gjenkraft, Owens Corning bolster use of post-industrial fiberglass waste](#)
- [Owens Corning partnering with SABIC](#) and [demonstration of recovered fibers from PP parts](#)
- With partners Arkema, Chomarat Group, Composite Recycling, Veolia and Groupe Beneteau winning [Mestrade Sustainability Project of the Year 2025](#) and ["Team Best Practices – Innovation Award"](#) at the 18th Rencontre Nationale des Directeurs de l'Innovation in Paris.

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