



Press Release

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Kaynemaile® selects Makrolon® RE from Covestro for RE8™, a bio-circular architectural mesh

[Kaynemaile](#), a leading global designer and manufacturer of architectural mesh for commercial, residential, and public buildings, today announces a major shift from fossil-based raw materials to biomass content. The company uses Makrolon® RE, an ISCC PLUS-certified, mass-balanced polycarbonate from [Covestro](#).

Kaynemaile's new RE8 Architectural Mesh will deliver an ISCC PLUS certified sustainable share of up to 88 percent of its architectural product. Moving Kaynemaile's production away from traditional fossil-based materials to a bio-circular attributed material will offer a reduction of the carbon footprint of the polymer material by up to 80 percent, cradle-to-gate, including biogenic uptake, enabling circular economy efforts while maintaining proven functionality, ISCC PLUS certified and LEED-enabled.

"RE8 is a major milestone in Kaynemaile's 20-year commitment to circular economy practices," says Kayne Horsham, Founder of Kaynemaile. "From the start we have sought a high-performance sustainable feed-stock material solution that exceeds building compliance standards yet has a lighter environmental footprint. Covestro's bio-circular attributed polycarbonate portfolio is now able to deliver on this ambition."

"Makrolon® RE polycarbonate from Covestro offers designers a sustainable material solution, while still maintaining the key benefits of traditional polycarbonate," says Joel Matsco, Senior Marketing Manager, Covestro. "The polycarbonate material enables an unencumbered design experience and provides a second life to upstream waste and residues. We look forward to seeing RE8 from Kaynemaile on buildings and in spaces around the world."

With Kaynemaile's origins in the Armory department of The Lord of the Rings film trilogy some 20 years ago, the company has evolved into an international business built on its innovative nil-waste liquid-state manufacturing process coupled with a compelling design aesthetic and a team focused on providing bespoke functional design solutions at scale. Kaynemaile's manufacturing facility is ISCC PLUS certified and the introduction of its RE8 bio-circular material helps position architects, planners, and builders to meet regulated carbon reduction targets.

"RE8 is the most significant initiative by the company since its founding," says Kayne Horsham. "We are proud to be at the forefront of this future proofing circular economy technology."

About Kaynemaile



Kaynemaile is a New Zealand-based company established in 2006 that designs and manufactures architectural mesh. Kaynemaile's architectural mesh is a patented, world-leading innovation specified by architects and designers for exteriors, facades, interiors, and lighting throughout the US and the world. Kaynemaile architectural mesh also offers building scientists a passive solar reduction of up to 80 percent due to its three-dimensional shading properties.

Kaynemaile appears on building exteriors as well as interiors in several U.S. cities including Atlanta, Columbus, Dallas, Des Moines, Detroit, Galveston, Los Angeles, New York, Santa Clara, and Seattle. Internationally Kaynemaile has provided design solutions in Australia, Belgium, China, Dubai, Germany, Italy, New Zealand, Saudi Arabia, Singapore, South Korea, the UK, and Vietnam. Kaynemaile mesh is also utilized as a design material for civic artworks and large-scale theatrical productions.

Kaynemaile has been awarded the IF Material Award, NYCxDesign Award for Best New Architectural Product, Architecture MasterPrize for Building Envelope and Construction Materials, and Civil+Structural Engineer Yearbook of Engineering Achievement 2021 and 2022 for Environmental and Sustainability.

About Covestro:

Covestro is one of the world's leading manufacturers of high-quality polymer materials and their components. With its innovative products, processes and methods, the company helps enhance sustainability and the quality of life in many areas. Covestro supplies customers around the world in key industries such as mobility, building and living, as well as the electrical and electronics sector. In addition, polymers from Covestro are also used in sectors such as sports and leisure, cosmetics and health, as well as in the chemical industry itself.

The company is committed to becoming fully circular and is striving to become climate neutral by 2035 (scope 1 and 2). Covestro generated sales of EUR 18 billion in fiscal 2022. At the end of 2022, the company had 50 production sites worldwide and employed approximately 18,000 people (calculated as full-time equivalents).

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