

Project #2: Plastic waste recycling as a construction material into the Circular Economy

The objective of ReCirculator Demonstration Project #2 is to prove that waste plastics can be a valuable resource to incorporate into construction materials.

The Centre for Regenerative Design and Collaboration (CRDC Global) technology produces a product (RESIN8) from a mixed plastic waste stream, which can be used as an aggregate for concrete in the construction industry. Adding this aggregate to concrete can increase properties such as compression strength and thermal resistance, while reducing the overall weight of the concrete.

The ReCirculator is currently collaborating to explore market applications with CRDC as part of its commercialisation drive in Australia.

About ReCirculator

Bringing together research expertise in geochemistry, environmental science, engineering, business and education to develop solutions for our global waste problem. Our research addresses the barriers associated with integrating wastes into the circular economy, developing and implementing cutting-edge scientific, technical, social, economic and education-based solutions.

If you would like more information on collaboration or partnerships please contact:

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