

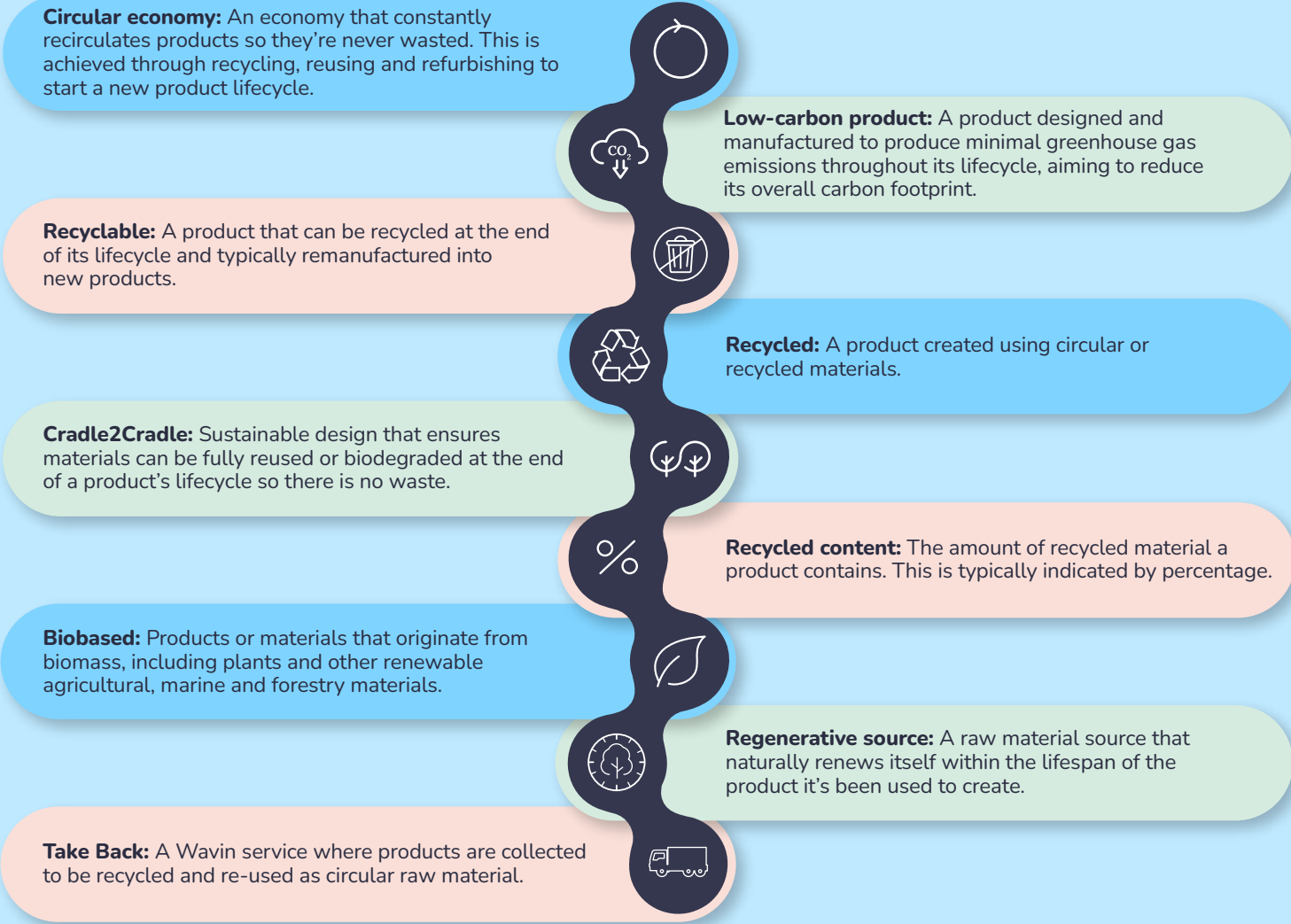


An Orbia business.

Using a **circular economy** to build a **net zero** construction industry

The circular economy is an innovative approach to material use that maximizes product lifecycles while minimizing waste and reducing raw material consumption and CO2 emissions. By reusing and recycling products, it creates a sustainable loop that benefits both the environment and the economy. Before we explore how you can implement circularity to reduce carbon emissions, let's familiarize ourselves with the key terminology.

Get to terms with circularity



From concept to construction: putting circularity into action

The built environment sector contributes over a third of all energy-related carbon emissions

37%

and at least a third of all waste.

33%



To reduce these figures, it's critical we put circularity into action. Read on to find out more about how to build smarter for a more sustainable future.

Build smarter: Key steps to reducing carbon in construction

Prioritize low carbon and recycling



What: Choose suppliers who are open about their carbon footprints (e.g., EPDs). Use low-carbon products (ideally 40%+ recycled content), ensure products are recyclable and utilize recycling facilities like the Wavin Take Back service.

Why: To reduce raw material use, lower embodied carbon emissions and decrease environmental impacts.

Embrace digital tools



What: Use BIM (e.g. Wavin's Revit content packages) and other calculation and design tools (Wavin Design Services) to optimize designs for lower carbon use and streamlined construction.

Why: Digital tools reduce costly on-site errors and waste, thereby cutting carbon emissions, and promotes building design for circularity and deconstruction.

Consider the entire value chain

What: Regularly check your supply chain for areas where emissions are high. Work with suppliers to set clear goals to reduce these emissions through sustainable materials (e.g., low-carbon, long life and recyclable materials), improved production efficiency and local sourcing.

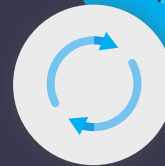
Why: Tackling Scope 3 emissions (indirect emissions from the entire value chain) improves sustainability and prepares construction for future regulations.



Promote circularity through reuse

What: Adopt a circular approach and use recycling programs like Wavin's Take Back service to repurpose materials. Design a modular approach for deconstruction, disassembly and reuse.

Why: Circularity can reduce material waste by up to 90%, decreasing the use of virgin raw materials and boosting cost savings.



Your choice matters: select low-carbon products for a cleaner planet

Start adopting circularity today to reduce your carbon footprint by specifying durable, eco-friendly products to enhance your sustainability. Here are some of Wavin's low-carbon products. Please check with your Wavin contact for local availability:

Application	Product	Low-carbon option
Rainwater management	AquaCell 400 & Q-Bic Plus LC	Produced with recycled plastics (100%)
Foul water	Tegra 600 LC Inspection Chamber & Road Gully	Produced with recycled plastics (100%)
Foul water	Wavin PVC-U 3W pipes	Produced with recycled plastics (40%)
Drinking water supply	Wavin PE pressure pipes	Produced with bio-based materials
Drinking water supply	Wavin PVC-O pipes	Produced with bio-based materials
Indoor climate solutions	Ventiza air ventilation ducts	Produced with bio-based materials

