

Circularity: Building a circular & resilient future

Increasing the circularity of our products is a key component of our sustainability strategy. We are building a circular & resilient future and drive circularity to reduce and reuse materials and natural resources.

What is a circular economy?

A **circular economy** is a model of production and consumption designed to preserve and regenerate. It is based on three principles: Prevention of waste and pollution, recycling of products and materials at the level of their highest value, and preservation of natural resources.

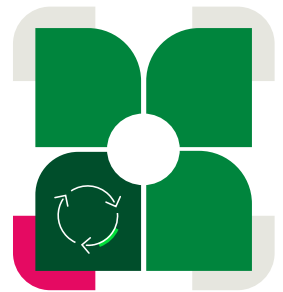
Circularity is the compatibility of a material flow (e.g. materials or products) with the principle of circular economy.

Did you know?

- Concrete is fully recyclable.
- Circular materials used to be waste but gained a second lifetime through recycling. Processing these materials (e.g. crushing, sieving or similar) ends their status of “waste” and turns them into secondary raw materials.
- By increasing the amount of secondary raw materials we use in products, we can reduce the need for primary, or virgin, raw materials that are finite. So, recycling contributes to preserving natural resources.
- Circularity reduces the amount of material that ends up in landfill and therefore helps to protect our environment.
- Recycling can also help to avoid CO₂ emissions by enabling a second life cycle of materials that would otherwise be won from the extraction of virgin resources.
- The use of secondary and recycled materials can lead to cost savings, extend the lifetime of our quarries, and help to secure our license to operate, making our production more sustainable and efficient.

What we do

- We are expanding our recycling activities in many countries and growing our portfolio of sustainable, circular products. The proceeds from this contribute to our target of generating 50% of our Group revenue from sustainable products by 2030. Circular products must contain at least 30% recycled content.
- Our evoBuild brand represents a globally harmonised portfolio of sustainable products. evoBuild supports the progress towards Heidelberg Materials’ commitment to offer 50% circular alternatives by 2030 and is also a commercial lever to increase sustainable revenue.
- We incorporate recycled materials in many ways in our production, including: construction demolition waste, earth works, recycled asphalt plantings, fly ash and slag or glass waste. It is our aim to find the best application for these wastes.
- Our novel ReConcrete technology combines advanced recycling to achieve high quality recycled materials with CO₂ reduction: recycled concrete paste (RCP) can be used as limestone substitute, and carbonated RCP as cementitious material. The low-carbon cement and concrete products in addition serve as a CO₂ storage.
- Specialised concrete types and designs can help to reduce the amount of material needed by up to 70%, and limit waste during production and construction: 3D printing enables smart designs, and by printing exactly what is needed, there is up to zero waste at the construction site. The end product is 100% recyclable.



Circular & Resilient

50%

By 2030, we want to offer circular alternatives for 50% of our concrete products-aiming for full coverage.

35%

In 2023, 35 % of our revenue came from sustainable products.

50%

By 2030, we want to achieve 50% of our Group revenue from sustainable products that are either low-carbon or circular.

