

**Interreg
Europe**



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INERTWASTE

Building with urban mining

Concrete with 100% recycled aggregates

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Urban mining!

Sustainable materials and circularity in construction

The modern gravel pits are above ground

Ensure the highest possible reuse and recycling in renovation and new construction.

We process the materials into new raw materials for use in our concrete production.

Our concrete production always includes 100% recycled materials.



Concrete with lower carbon footprint

Recycon concrete

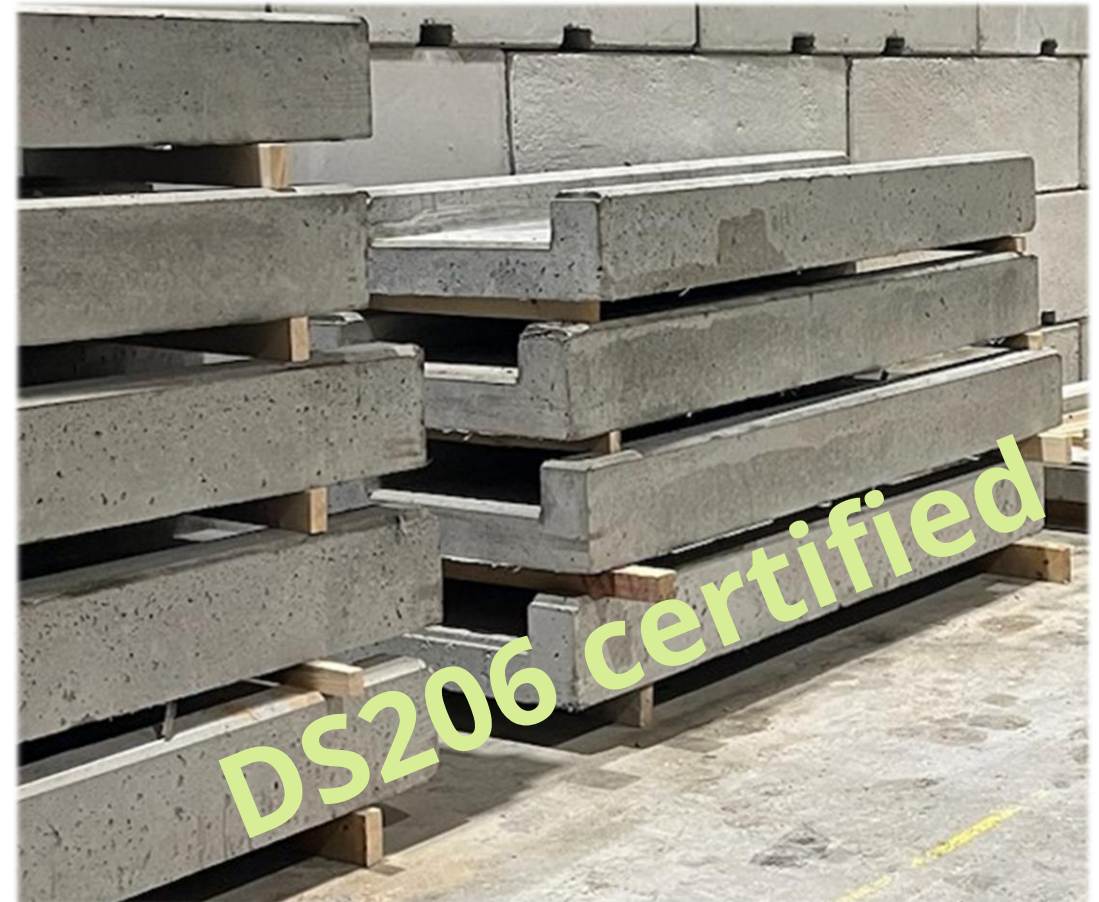
Produced with 100% recycled concrete aggregates and ordinary cement.

Carbon footprint: 73,5 kg. CO₂-e pr. 1000 kg.

Regular concrete

Produced with virgin raw materials aggregates and ordinary cement.

Carbon footprint: 130 kg. CO₂-e pr. 1000 kg.



Concrete with lower carbon footprint

Alternative materials as aggregate in concrete production

Making use of all leftover materials from construction and renovation.

We process different fractions of building materials, such as bricks, tiles and sanitary ware into new aggregate materials.

*Our concrete made with bricks and tiles has a carbon footprint of **77,5 kg CO₂-e per 1000 kg**. Concrete with other aggregate materials have not yet been third-party verified for carbon footprint.*



Influence on the environment

Lack of virgin raw materials

Our gravel pits are running dry! We need to rethink and incorporate a higher proportion of using recycled materials in our construction practices.

Reusing building materials

We must significantly increase the reuse of materials from demolitions, renovations, and surplus from new construction projects.

Circular economy

Breathing new life into old materials to unlock the benefits of a circular system.



Project circular economy

Initially sorting of materials from renovation

Roof panels removed during renovations are collected and initially sorted at recycling centers.

Stone, gravel and concrete

The panels are sent to us, where we crush and transform them into new stone and gravel materials.

New concrete elements and decks

The new material is used in the production of concrete for creating concrete elements and decks.



Roadblocks

Legal obstacles

Regulatory limitations concerning the reception of waste materials, as well as technical building standards for both reuse and recycling.

Market Readiness

The construction industry is highly conservative and slow to embrace new initiatives.

Break old habits

*have focus on waste management and circular economy. Start building with as much recycled materials as possible – because it **is** possible!*



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