

# ECOtect™

Eco concrete

## CARBON-REDUCING CONCRETE

ECOtect is a low-carbon concrete delivering 100% performance with at least 30% lower carbon footprint, compared to standard (Type 1) concrete.



Standard concrete mix

+



Reuse of by-products

=



Up to 90% lower carbon concrete

0%

ECOtect, PRIME or MAX

100%

## Primary Features

- Actively reduce CO<sub>2</sub> emissions in your build, regardless of the project
- Low-carbon concrete for high-performing, sustainable, circular construction
- Higher long-term compressive and flexural strengths
- Available in a variety of strengths and technical properties, compliant with industry standards
- Offers improved durability, reduced permeability, ASR mitigation
- Can be handled, pumped, and finished like conventional concrete

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## Product Range

### ECOtect

AT LEAST 30% CARBON REDUCTION

A low-carbon concrete utilizing blended cement, which has between 30-50% reduction in CO<sub>2</sub> compared to a standard (Type 1) concrete.

### ECOtect PRIME

OVER 50% CARBON REDUCTION

An engineered very low-carbon concrete utilizing higher blends of cements while also using supplementary cementitious materials. ECOtect PRIME delivers between 50-70% CO<sub>2</sub> reduction compared to a standard (Type 1) concrete.

### ECOtect MAX

OVER 70% CARBON REDUCTION

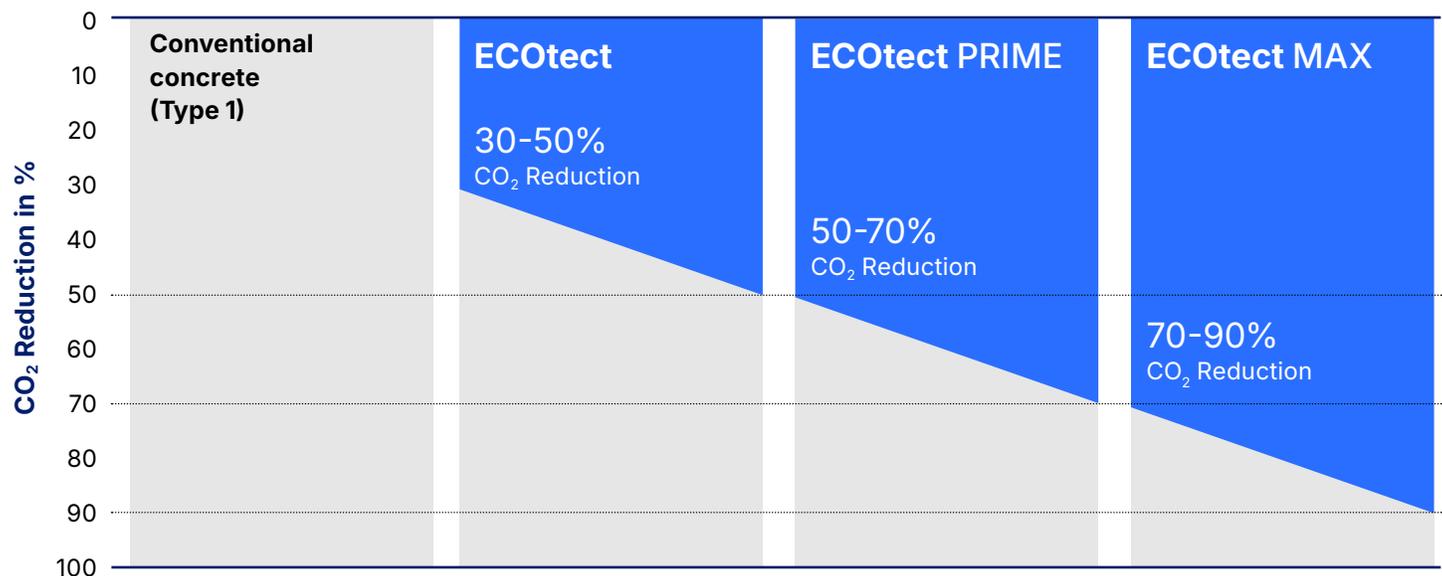
Our lowest carbon range of concrete utilizes a cement alternative technology, such as alkali activators, to achieve a 70-90% reduction in CO<sub>2</sub> compared to a standard (Type 1) concrete.

### ECOtect+

USE OF RECYCLED MATERIALS

Use of at least 20% recycled content in any ECOtect mix (ECOtect, PRIME or MAX).

## CO<sub>2</sub> Reduction



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## Additional Information

### Sustainability From Cradle To Gate

From the very beginning of the manufacturing process, we make sure raw materials are sourced as responsibly as possible. A nationwide network of plants and a highly efficient logistics network enable us to transport materials across the country in an environmentally friendly way.

### EPD Type III Certified Performance

ECOtect comes with third-party certified, quantifiable data that confirms the reduced carbon footprint, calculating improvements based on CO<sub>2</sub> values from all our raw materials, transportation, and production. This means we can establish the exact CO<sub>2</sub> reduction in each specified mix.

### Innovative Mix Design

Today, the concept of low-carbon concrete includes incorporating the reuse of by-products within the mix designs. By reducing virgin materials and maximizing the use of by-products, we can ultimately reduce a significant amount of our carbon footprint.

### Regional Comparisons

The ECOtect range constitutes Amrize's standard national product offering. For performance comparisons against local codes and regional benchmarks, please consult your local Amrize representative.