



ECOPact

THE GREEN CONCRETE

“For Sustainable and Innovative Building Solutions.”



About

ECOPact

The Green Concrete



WHAT is ECOPact?

- 1 A concrete with lower embodied carbon content compared to a reference concrete designed with CEMI.
- 2 Demonstrates equal or better properties than conventional concrete.
- 3 Assurance of quality, performance and genuine lowering of the environmental impact.

WHY is ECOPact a green concrete?

- 1 ECOPact^(PRIME, MAX, ZERO) reduces the carbon footprint of concrete up to 100%.
- 2 ECOPact^(Plus) contributes to circular economy by closing material cycles.
- 3 Enhances resources conservation.

WHY should we choose ECOPact?

- 1 Because it is essential to ACT NOW, to preserve what we have and to build a better future.
- 2 To be positioned as an industry partner with a vision for a better future.
- 3 To become an active contributor to the conservation of the global environment.
- 4 Provides an opportunity to do something for our nature and be a part of the Ecological Agreement.

Local Sourcing:

- 1 Sourcing locally provides for more flexibility and greater control on the supply chain, which is economically as well as ecologically beneficial and in general good for the local community.

Durability :

- 1 Durability is one of the guiding principles for sustainability and should always be considered in the choice of building materials.
- 2 Concrete fulfils this criterion like no other material, especially concerning the life cycle. With concrete, buildings are built to last for generations - 100 years or more. And even when a concrete structure is torn down, almost all of its components can be recycled and reused.

CO₂ Reduction:

- 1 The use of Ground Granulated Blast furnace Slag (GGBS) – a by-product from the steel production - has a positive effect on the environmental balance and the technical performance of our mix designs. Their use reduces embedded CO₂ in the concrete, conserves natural resources and saves energy that would otherwise be required for processing or manufacturing comparable building materials.



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Product Range

Area of Application:

Our **ECOPact** products are suitable for all structural components: from foundations to columns and beams, external or internal walls, driveways, walkways etc.,.

Further applications are technically possible and can be discussed with our concrete technologists.

ECOPact

ECOPact is a concrete with 30-50% lower embodied carbon content compared to a reference concrete designed with CEM I. Our ECOPact products use CO2 reduced cements and are with optimized mix designs to reduce their carbon footprint.

ECOPact^{PRIME}

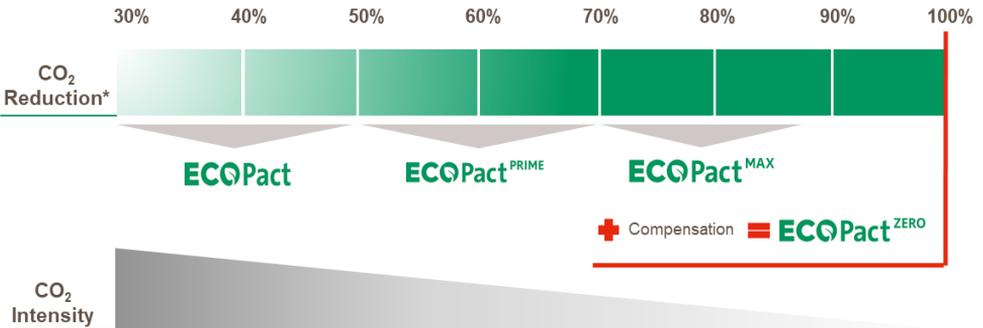
With a CO2 reduction level between 50-70%, ECOPact PRIME is a technically more demanding product that provides a significantly higher reduction than the general standard available in a given market.

ECOPact^{MAX}

With ECOPact MAX we exploit the technical possibilities to the Maximum and push our technical expertise to offer you this top of the line product with a CO2 reduction greater than 70%.

ECOPact^{ZERO}

is a unique product representing our carbon-neutral concrete offer. ECOPact ZERO is a combination of concrete technology excellence and climate action. With ECOPact ZERO we give you the opportunity to eliminate the carbon footprint of your concrete and greatly reduce the overall carbon footprint of your concrete structures.



Each offer can be enhanced with the addition of Recycled Concrete Aggregates**

ECOPact⁺ - Range

* In comparison to a standard mix with CEM I / OPC

** With a minimum RCA content of 10% of the Total AGG Content, upon availability

Readymix Qatar Ltd. design and supply concrete in accordance with QCS (Qatar Construction Specification), BS 8500, BS EN 206, ASTM C94, ACI 318, ACI 301 to meet the demand of a diverse market in the Gulf State with a clear commitment to social and environmental sustainability.

Concrete is the second most consumed material in the world after water. Readymix Qatar Ltd. as a member of Holcim are collaborating with independent agencies, architects, consultants, influencers, contractors and end users to minimise environmental impact and promote the manufacturing of concrete without compromising on quality and technical characteristics with SCM's and recycled materials to produce "The Green Concrete" to the Qatar Construction Industry.

These supplementary cementitious materials and recycled aggregates are in strict compliance with QCS and International Standards. The use of these materials in the concrete are recognised by LEED, GSAS, Green Building Council and many more accredited certification boards all with ONE major objective to reduce overall CO₂ embodied content.

Globally, society and especially the construction industry has set challenging Net Zero targets with a growing expectation to provide sustainable solutions. Readymix Qatar Ltd. is already producing concrete with reduced embedded carbon content using SCM's complying with BS EN 197, CS163, BES 6001 and BRE digest design structure concrete with a service life of 100 years.

The introduction of a Global low carbon concrete brand "ECO Pact" will further reduce the embedded carbon content in concrete and strengthen Readymix Qatar Ltd's leading position in sustainable construction

"Lets Build for Tomorrow"



Readymix Qatar Ltd.

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