

Holcim ViroDecs™

An edge for industry

A first for Australian Concrete

Holcim is proud to announce the launch of ViroDecs™, our new brand for Environmental Product Declarations (EPDs) and to be the first concrete company in Australia to provide an EPD for Readymix Concrete, when registered under the Australasian EPD programme in early 2019.

ViroDecs™ in a nutshell

Documents that provide detailed, comparable information on the life cycle environmental impact of various concrete mixes sold by Holcim. They set a clear standard for the accuracy and reliability of product environmental information, including CO2 reduction claims. ViroDecs™ are based on an ISO compliant Life Cycle Assessment methodology, are third party verified, and follow both the relevant international (ISO) and European (EN) standards for environmental labels.

Why are we taking this initiative?

The choice of materials at the design and specification stage has a lasting impact on the building and infrastructure sector's life cycle environmental footprint.

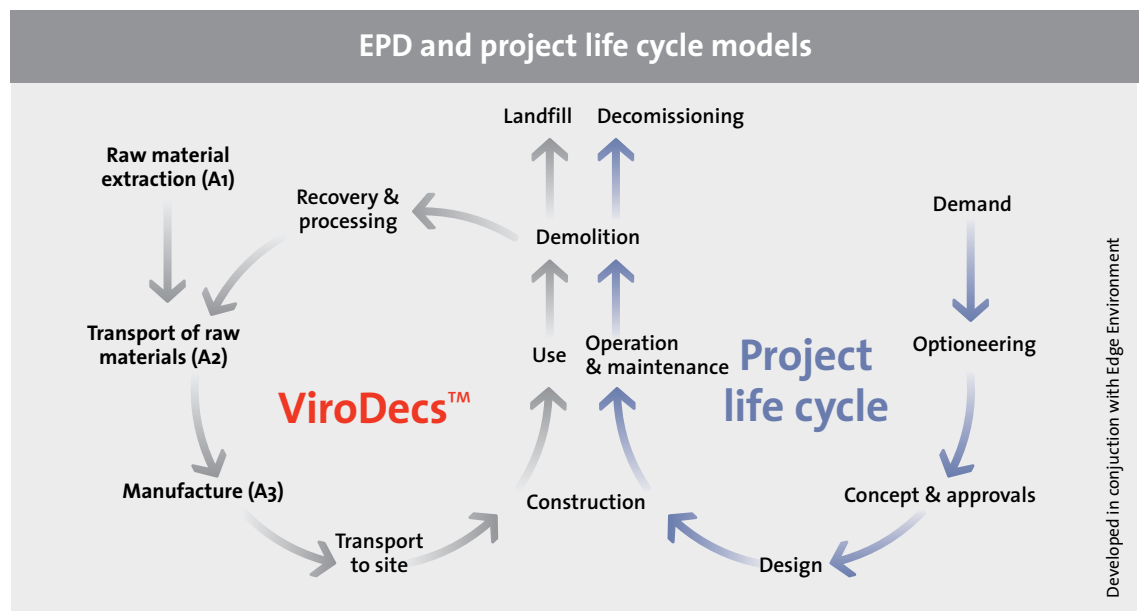
Our aim is to help customers build with the environment in mind by creating transparency for our products with EPDs. This will involve the analysis and declaration of the 'cradle to gate' environmental impacts of our Readymix Concrete products, while providing a rigorous, science-based framework for driving environmental improvement across our sites and supply chains. The resulting information can be used by our customers and industry to drive reductions in the embodied environmental impact of buildings and infrastructure.

Gain a material advantage

The life cycle data in Holcim's ViroDecs™ can be imported into important digital industry tools:

- eTool - a web-based Life Cycle Design app used by ESD designers and developers
- IS Materials Calculator - used to assess a project's embodied GHG emissions from materials used

Holcim ViroDecs™ can support better materials selection for customers wanting to be industry leaders, led by Infrastructure Sustainability Council of Australia (ISCA) and the Green Building Council of Australia (GBCA).



Holcim ViroDecs™ deliver broader benefits

Direct rating scheme benefits: more points in the IS and Green Star schemes (IS Mat-2 credit and Green Star Credit 21).

Overall rating scheme benefit: a wealth of life cycle environmental information to support the specification of concrete blends that will maximise scores under the IS Mat-1 credit and the Green Star Life Cycle Assessment credit (Credit 19).

Procurement and design benefit: better analyse the environmental impact of buildings and infrastructure leading to greater accuracy, faster analysis and deeper insights at all stages of the project life cycle.

Make concrete the material of choice

Holcim ViroDecs™ takes a time-honoured material and makes it the product of the future – ready for a new world of increasing environmental consciousness.

EPDs make the environmental performance of concrete on a life cycle basis transparent. Those who use and specify Holcim ViroDecs™ concrete can also be confident in its lasting durability and design flexibility.

Understanding the material impacts

We're all facing the challenge of improving environmental sustainability. Preparation for Holcim ViroDecs™ has involved a detailed assessment of environmental impacts throughout Holcim's material supply chain and operations - from raw material extraction to manufacture. Data collection from across Holcim's Australian operations, which includes over 190 concrete batching plants and 65 quarries, has been carried out to meet the rigorous data quality requirements in the ISO and EN standards for Environmental Product Declarations.



Examples of raw materials in concrete

- | | |
|-------------------|----------------------|
| 1. Cement | 5. 10mm Aggregate |
| 2. Fly Ash | 6. Manufactured Sand |
| 3. Slag | 7. Sand |
| 4. 20mm Aggregate | 8. Recycled Water |

For more information call us on 13 11 88 or submit an online enquiry at www.holcim.com.au