

FutureCast

Precast concrete you can trust

BUILDING PROGRESS FOR PEOPLE AND PLANET



WELCOME TO FUTURECAST

As part of the Holcim group, a global leader in sustainable building solutions, Humes is committed to sustainability. This means taking steps to decarbonise our operations and providing solutions customers can trust. We are excited to present the **FutureCast** and **FutureCast^{ZERO}** product range which represent significant milestones in our commitment to sustainability.

Our goal is to be a supplier of choice, so we're taking responsibility for the impact our products have on the planet and providing solutions to customers they can trust.

ClimateWorks Australia estimates the construction and operation of physical infrastructure assets for transport, energy, water, waste and communications directly contributes 15% of Australia's annual emissions, while these assets influence an additional 55% of annual emissions

through the activities they enable¹. As we continue to invest, partner and innovate, Humes is well positioned to help reshape our industry, and find lower carbon solutions to the roads, infrastructures and resources we all need.

At Humes, we are committed to transparency with our customers, which is why FutureCast is backed by Environmental Product Declarations (EPDs).



FutureCast: Precast concrete you can trust

"I am proud to introduce FutureCast: the precast concrete range backed by third-party verified Environmental Product Declarations (EPDs)."

George Agriogiannis,
CEO Holcim Australia and New Zealand

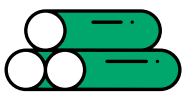
¹ www.cefc.com.au/media/402347/reshaping-infrastructure-to-lower-emissions-march-2020.pdf

FutureCast

Precast concrete you can trust

FUTURECAST PRECAST CONCRETE YOU CAN TRUST

FutureCast is our precast concrete range backed by Environmental Product Declarations (EPDs). FutureCast^{ZERO} provides the opportunity to offset any embodied carbon from our FutureCast range with the use of Climate Active certified offsets.



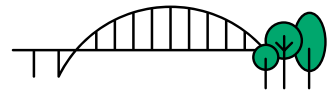
Humes precast concrete range backed by EPDs

+



Carbon offsetting

=



100% carbon neutral precast concrete

FutureCast

Precast concrete you can trust

FutureCast^{ZERO}

Carbon neutral precast solutions

Humes continues to invest in reducing the embodied carbon impact of its products. It achieves this through:

- Design efficiency and optimisation
- The quantity of General Purpose (GP) cement used for a product is reduced by the additional supplementary cementitious materials (SCM) and admixtures
- The quantity of reinforced steel used for a product



FutureCast

Precast concrete you can trust

Helping you understand the impact of the materials supplied into your projects

At Humes, transparency is core to achieving sustainability progress. That's why we are committed to providing you with third-party verified EPDs that show comparable data of the environmental impact of our products.

EPDs are independently verified and registered documents that provide transparent and comparable data about the life-cycle environmental impact of products. Humes Precast and Prestressed Concrete Products EPD² and Humes Reinforced Concrete Pipe EPD³ provides customers with the ability to understand the embodied carbon impact of the materials supplied into their projects.

With FutureCast you can:

- Access transparent and comparable environmental data
- Determine the embodied carbon impact of your precast concrete product
- Maintain the same properties as conventional Humes precast concrete solutions

Why should you choose FutureCast?

- ✓ **Backed by an EPD providing impact transparency.**
- ✓ **Recognised benefits for Infrastructure Sustainability and Green Star rating criteria.**
- ✓ **Meet evolving tender and bid requirements.**
- ✓ **Same strength, same properties.**

Areas of application

Our FutureCast range is available in a variety of products and are compliant with industry standards. FutureCast can be manufactured throughout Australia and has the potential to be used in a variety of structural components: from stormwater, bridges, tunnels, walls, roads, infrastructure and rail. Further applications are possible and can be discussed with our engineering precast concrete technologists.



FutureCast^{ZERO}

Carbon neutral precast solutions

Offset 100% of the carbon footprint of the precast concrete in your construction

FutureCast^{ZERO} is our FutureCast range with the additional benefit of going carbon neutral with the use of Climate Active certified offsets. FutureCast^{ZERO} provides engineers, architects, and specifiers with one easy carbon offsetting precast concrete solution they can trust.

Holcim gained official certification from the Australian Government's Climate Active program to sell industry-approved, carbon neutral, precast concrete. Climate Active is an Australian program that supports businesses committed to sustainability and innovation. This certification means we can provide solutions customers can trust. This means that with Humes FutureCast^{ZERO} the precast concrete component of your project can be carbon neutral should you elect to use certified offsets.

With FutureCast^{ZERO} you can:

- Access a carbon neutral precast concrete solution
- Offset the embodied carbon of products within the FutureCast range, certified by the Australian Government program Climate Active

Why should you choose FutureCast^{ZERO}?

- ✓ **Carbon neutrality with the use of offsets with FutureCast^{ZERO}.**
- ✓ **Offset 100% of the carbon footprint of precast concrete in your construction.**
- ✓ **Peace of mind with Climate Active certification and certified offsets.**
- ✓ **Backed by an EPD providing impact transparency.**
- ✓ **Recognised benefits for Infrastructure Sustainability and Green Star rating criteria.**
- ✓ **Meet evolving tender and bid requirements.**
- ✓ **Same strength, same properties.**

² Humes Precast and Prestressed Concrete Products EPD covers the vast majority of our product range. The only products that have been excluded are steel reinforced concrete pipes (these are covered by Humes EPD S-P-00998) and specialty products that contain significant quantities of other materials (i.e. metals other than reinforcing steel and various polymer materials) that are not covered in this EPD. Examples of such products are our standard HumeGard® and HumeCeptor® range as well as other products that can be lined.

³ Humes Reinforced Concrete Pipes EPD provides environmental indicators for Humes steel-reinforced concrete drainage pipes across all pipe production factories in Australia. Humes reinforced concrete pipes (RCPs) are manufactured across 10 factories around Australia to AS/NZS 4058:2007 Precast concrete pipes (pressure and non-pressure). The scope of this EPD is for RCPs used in non-pressure stormwater drainage applications only. Humes RCPs are manufactured with steel reinforced concrete and are available in a wide range of diameters, lengths and with varying strengths. Humes RCPs have a reference service life (W) of 100 years when installed in accordance with AS/NZS 3725:2007 Design for installation of buried concrete pipes.



FAQ

What is the difference between FutureCast and FutureCast^{ZERO}?

FutureCast is our precast concrete range backed by Environmental Product Declarations (EPDs).

FutureCast^{ZERO} provides you with the opportunity to offset any embodied carbon with the use of Climate Active certified offsets. This means that with Humes FutureCast^{ZERO} the precast concrete component of your project can be carbon neutral.

What are carbon offsets and why are they important?

Carbon offsets are an opportunity to neutralise carbon emissions using offsets generated from activities that prevent, reduce or remove greenhouse gas emissions from being released into the atmosphere. Offsets work by proportionately compensating for any carbon emissions.

How can FutureCast help me balance my carbon emissions?

FutureCast is our precast concrete products that come with a third-party verified EPD which allows you to determine the embodied carbon impact of your precast concrete product.

How does FutureCast^{ZERO} work?

FutureCast^{ZERO} provides the opportunity to offset any embodied carbon using certified programs recognised by the Australian Government's Climate Active program.

Why is FutureCast a good choice?

The FutureCast range is backed by third-party verified EPDs, providing you with transparent and comparable data of the environmental impact of our products.

Does FutureCast comply with AS1379 (Australian Standards)?

Yes, FutureCast precast concrete solution complies with AS1379.

Who can I talk to more about FutureCast?

Our specialist team is happy to discuss FutureCast further.

Contact us today on 1300 361 601