



Enviro Pave3

by BGC Concrete



Paving the Way to a Greener World

Concrete is one of the world's most versatile building materials, but traditionally its production is very energy-intensive.

A rising demand for more sustainable building materials has led to the reduction of the carbon footprint of concrete manufacture by using environmentally-friendly materials and recycled water to create a product that's just as strong and durable as regular concrete, but takes far less energy to produce.

At BGC, we're using this new technology to create Enviropave3; our new 'green concrete' perfect for footpath mixes.

How Our Green Concrete is Made

In Enviropave3, a percentage of the Portland cement content is replaced with ground granulated blast furnace slag or GGBFS. This by-product of steel manufacture would otherwise go to landfill.

By using this industrial waste product to create concrete, we're optimising resource use, reducing greenhouse gas emissions and minimising waste. And because GGBFS is milled finer than cement, it creates a strong, dense and very workable mix.

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Our Process is Second to None

- 1** Dedicated silos containing GGBFS allowing custom mixes.
- 2** Enviropave3 is designed to perform with 25% manufactured sand.
- 3** Enviropave3 uses 50% reclaimed or recycled water.

3-Star Performance

The Green Building Council of Australia has strict guidelines over what constitutes 'green concrete'.

Enviropave3 meets the most stringent of these Mat 4 guidelines by using 40% GGBFS, 25% manufactured sand and 50% recycled water giving it the maximum Green Star rating of 3 points.

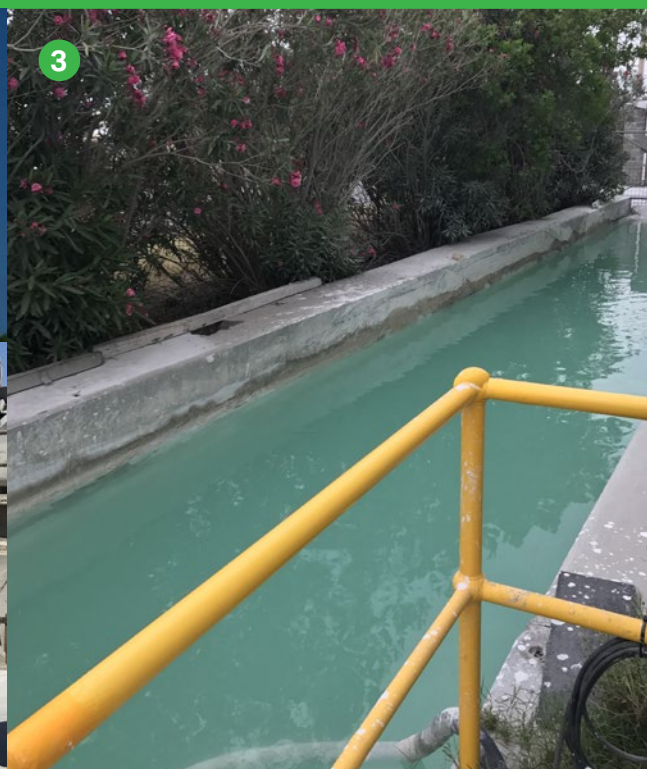
How to Go Green on Your Next Footpath Project


All BGC Perth metropolitan plants can make and supply Enviropave3 to your requirements. A range of mixes are available with maximum aggregate sizes of 10mm or 14mm.

Mixes meet with the N Class design requirements of AS3600. S Class mix designs can also be provided to satisfy individual project engineering specifications.

Benefits of Enviropave3

- Denser mix for better workability and compaction.
- Lower early age temperature rise reduces the risk of thermal cracking.
- Higher resistance to chlorine ingress means lower corrosion risk to reinforcement.
- Higher resistance to sulphate attack.
- Competitively priced.
- Maximum Green Star rating of three points.





Ask About Our Other GreenStar Concrete Products

BGC Concrete can help you claim the maximum of 3 Green Star points in projects other than paving and footpaths.

We have designs for all structural mixes including footings, slabs on fill, suspended slabs, columns and stairs, in applications requiring colour addition, steel fibre for residential, civil, commercial and industrial construction.

Please contact BGC Concrete for further information.

Enviropave3 S-Class Concrete Footpath Mix Order Codes

	10mm mixes	14mm mixes
20 Mpa	CS2010BGS	CS2014BGS
25 Mpa	CS2510BGS	CS2514BGS
32 Mpa	CS3210BGS	CS3214BGS



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