



# READY Eco-Glass

**WITH RECYCLED CLASS, SO YOU KNOW  
YOU ARE DOING THE RIGHT THING BY  
OUR ENVIRONMENT**

As part of our ongoing commitment to providing sustainable, technical READY Solutions we're incorporating recycled glass in our concrete.

This glass replaces some of the sand we use and doesn't compromise quality, consistency or the environment.

You'll get a great product and you know that you're doing the right thing for our environment at the same time!



# READY Eco-Glass

## WASTE GLASS - AND YOU

Managing large amounts of waste glass has become a major problem for many local councils and it's costly for ratepayers! We worked hard to find a solution to, at least part, of the problem.

We were granted Ministry for the Environment funding to convert some of our plants to use recycled waste glass. Our process will ensure that costs are minimised so the sustainable product is affordable for everyone.

## USES:

READY Eco-Glass is a substitute for sand it is not a decorative product and provides no visual difference in the concrete.

The concrete incorporating glass sand is suitable for residential applications including:

- house slabs
- driveways
- paths

## AVAILABILITY:

The product is now available in Wellington, Nelson, Wanaka, Cromwell and Invercargill and we plan to take it nationwide in the near future.

Ask your nearest branch if READY Eco-Glass is available in your area



*Crushed Glass*



*Glass Bottles*

# READY Eco-Glass Promotion

## GUILT FREE WINE

We have a 'Guilt Free' wine that is given to the homeowner along with a certificate to say how many bottles have been used in their house slab.

## GUILT FREE WINE IN WELLINGTON

Between 01 March 2012 to 17 August 2012 Mark from Skidroc supplied the equivalent of 41,000 beer bottles or 12,800 wine bottles. The average over these numbers would be 28,400 various bottles.

Image: On right mark Huia from Skidroc presenting Eco-Glass certificate to Mike Russell from Russell Properties for this commitment to using READY Eco-Glass.



## RECYCLED GLASS USE IN WANAKA

In early 2012, Allied Concrete converted its Wanaka plant to accept a crushed glass product as a partial sand replacement material in selected mixes. This conversion was carried out after Allied Concrete secured Waste Minimisation Funding from the Ministry for the Environment funding round in 2011.

The glass is collected from Southland and crushed prior to transporting to Wanaka, where it is used in a range of concrete mixes. The glass is collected and processed in the Invercargill region. Processing systems used at the quarry minimise the amount of costly re-processing necessary to turn this waste stream into a useful material replacement.

We are supplying concrete with recycled glass in it to Turnkey Homes, who are associated with a development in Wanaka, known as Kirimoko Park.

All concrete supplied to Turnkey Homes for this work contains recycled glass as a partial sand replacement material.

Their website; [www.kirimokopark.co.nz/pdfs/code\\_book.pdf](http://www.kirimokopark.co.nz/pdfs/code_book.pdf) explains their philosophy regarding this subdivision.

One key aspect of this subdivision is its environmental attributes; with an emphasis on sustainable design principles and construction methods and features.

The use of recycled material in our concrete fits neatly with the environmental and sustainability principles for this development.

# Concrete Sustainability

## EXCELLENCE IN CONCRETE INNOVATION AWARD

READY Eco-Glass was recognised at the 2012 NZRMCA Awards, the judges said...

“Excellence in Concrete innovation was awarded to Allied Concrete Limited for its Recycled Glass Sand Initiative.

The company has converted three of its plant to be able to use crushed glass as a sand replacement in a selection of lower strength concrete mixes.

The environmental benefits resulting from the kerbside collection, processing and use of waste glass in concrete include landfill life extension, reduced transportation of recycled materials and conservation of natural resources.

By committing to the efficient and effective use of recycled glass as an on-going business practice, Allied Concrete have demonstrated true sustainability that yields benefits for everyone.”



# Recycling

We recycle as much of our process water as possible. Most of our plants capture all the water from the site and use it for mixing consumption. General and cleaning water use is controlled by water blasters; these significantly reduce water.

We also recycle returned concrete as concrete blocks, or put the concrete through recyclers to recover the aggregates.

You can view the below video on our website; <http://www.alliedconcrete.co.nz/why-allied/recycling>

