



ECO-FRIENDLY CONCRETE

THE PROBLEM

Portland cement contributes around 5% of the worlds Co2 emissions. The manufacture of cement for a typical house floor* produces around 7.2TN of Co2

Just by choosing our Eco-Friendly Concrete you can reduce Co2 emissions by over 2TN in a typical house floor*

HAS IT BEEN TRIED BEFORE?

Fly ash is commonly specified for high performance concretes by engineers around the world.

The Roman's incorporated volcanic ash into their concrete and similar materials have been used ever since.

THE \$\$\$\$\$

So how much more expensive is Eco-Friendly concrete.....

\$0.00

That's how much, so ask for more information today.

THE SOLUTION

Our Eco Friendly Concrete can remove 25 – 33% of the carbon footprint of the concrete. That's approx. 300kg of Co2 saved!



We take Huntly Fly Ash (a waste product from coal burning power stations) that might otherwise end up in local landfill sites and incorporate that into your concrete. Fly ash is a pozzolan which means simply that in the presence of cement and water it reacts similarly to cement infact it provides additional benefits such as;

- Water reduction (reducing permeability)
- Lower shrinkage.
- Increased concrete workability
Increased cohesion
- A "creamier" concrete to finish
- Lower heat of hydration in mass pours.
- Slightly slower initial set (useful in hotter months or for long distance pours)

OTHER ECO-FRIENDLY INITIATIVES

Our modern fleet of Hino trucks have minimal fuel consumption – Our lightweight trucks carry 5.0m³ per load instead of the typical 4.6m³ saving nearly 10% fuel emissions – Our wash water is 100% recycled – Our returned concrete is recycled into precast interlocking mass blocks for rural feed bins (maize & kernel) where they absorb Co2 from the atmosphere (visit www.concreteblock.co.nz) .

- Information based on typical Co2 emissions from Portland cement manufacture of 960kg/TN.
- Typical house floor assumed to consume 30m³