



CEMENT AUSTRALIA
GREENCEM[®]

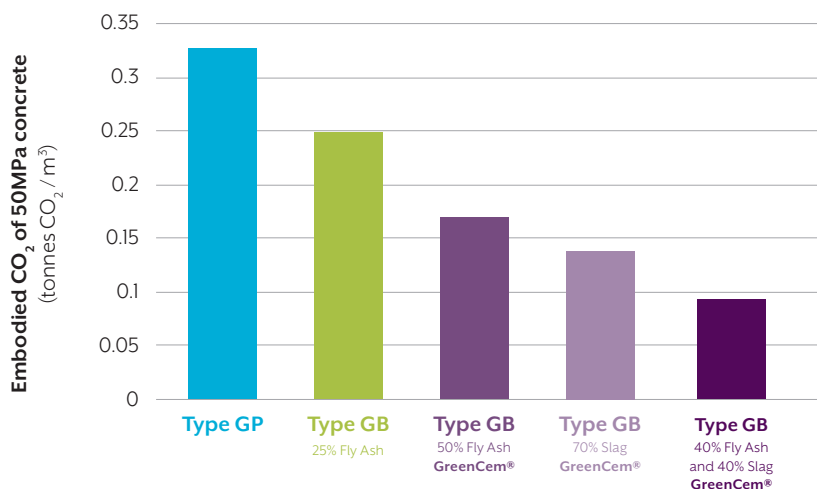
Technologies to reduce embodied carbon in concrete without compromising performance

GreenCem[®] technologies allow the mix designer to maximise – up to 80% – the replacement of cement with slag and/or fly ash without significantly compromising concrete performance and in so doing, achieve significant reductions in embodied carbon in concrete.

The average embodied carbon in GP cement is over 5 times that of slag and nearly 30 times that of fly ash. However, the downside of replacing a significant proportion of GP cement with fly ash and/or slag is reduced concrete performance.

GreenCem[®] is the solution...

it allows increased fly ash and slag in your concrete mix without compromising on concrete performance.



The chart to the left shows a comparison of embodied carbon in various concrete mixes.

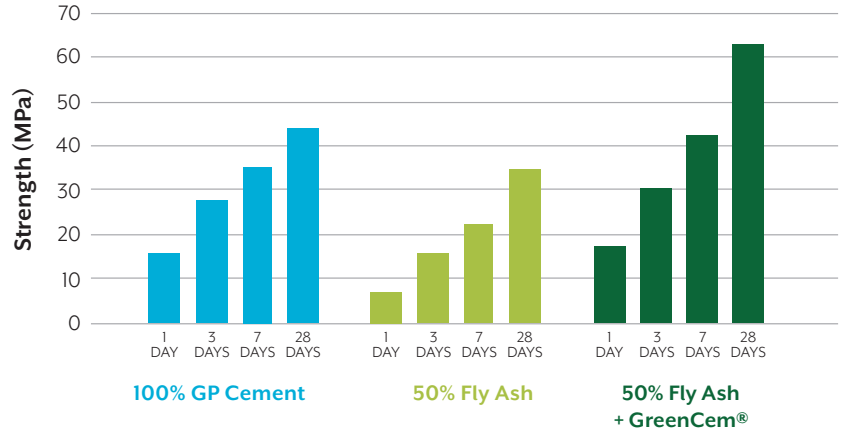
Contributing towards the cement and concrete industry ambition for **net zero carbon concrete by 2050**

Patent Pending


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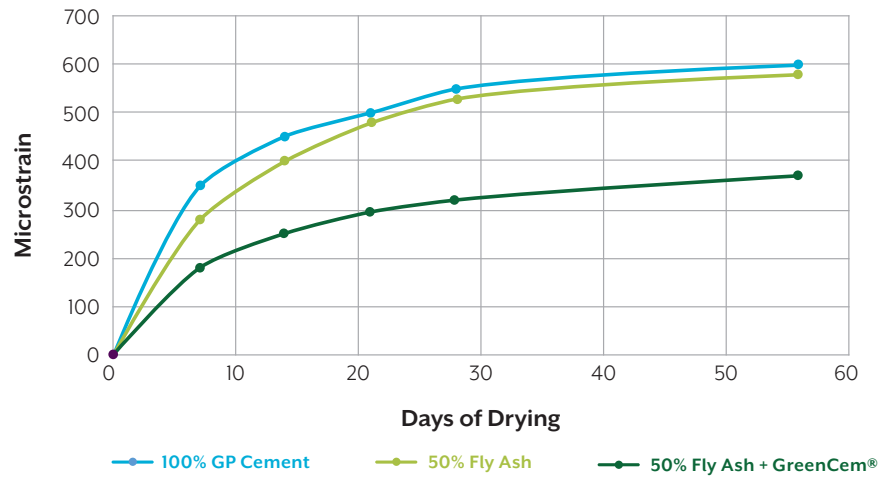
Strength Development

Concrete strength development at high levels of GP replacement with fly ash and/or slag are improved when using GreenCem® technologies.



Drying Shrinkage

Concrete drying shrinkage at high levels of GP replacement with fly ash and/or slag is significantly reduced when using GreenCem® technologies.



Note: Data provided in the above graphs was achieved by testing conducted in accordance with the relevant Australian Standards test methods, at a NATA registered laboratory. Graphs should be used only as a guide to potential strength as various factors can impact final strength results.

