

Low Carbon Concrete for Next Generation Construction

The Urgent Case for Change



Buildings are responsible for 39% of global energy related emissions¹



Building stock is set to double by 2050

to accommodate the estimated growth of the world's population²



Cement and concrete are vital for construction, but they are emissions intensive. We need lower carbon materials to help us build better.

Concrete is essential to build our modern society



Our homes

Our infrastructure

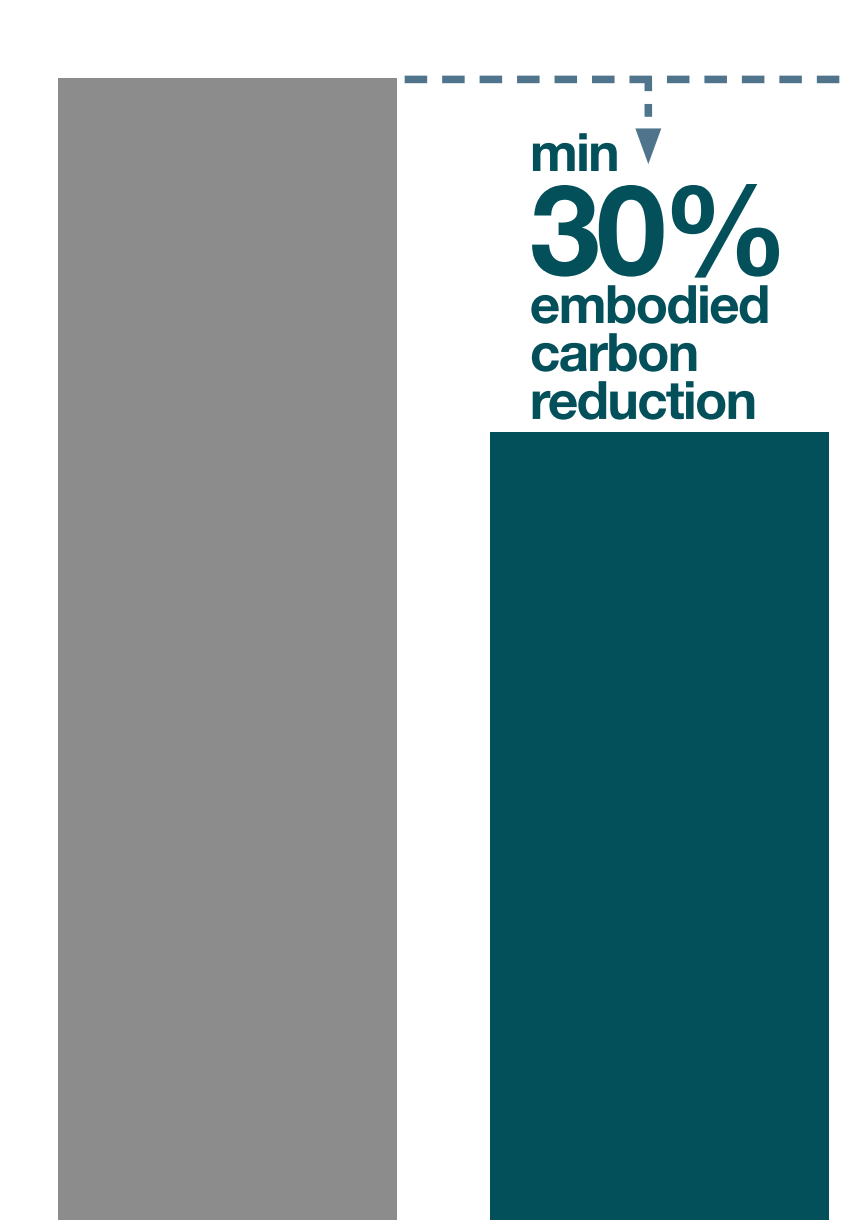
Our Communities

How do we build more sustainably?

By working together, making the change to next generation lower carbon construction materials

Futurecrete[®]

Our range of lower carbon concrete reduces a minimum of 30% embodied carbon as compared to the AusLCI baseline



What makes Futurecrete[®] the choice for lower carbon construction?

Made with advanced

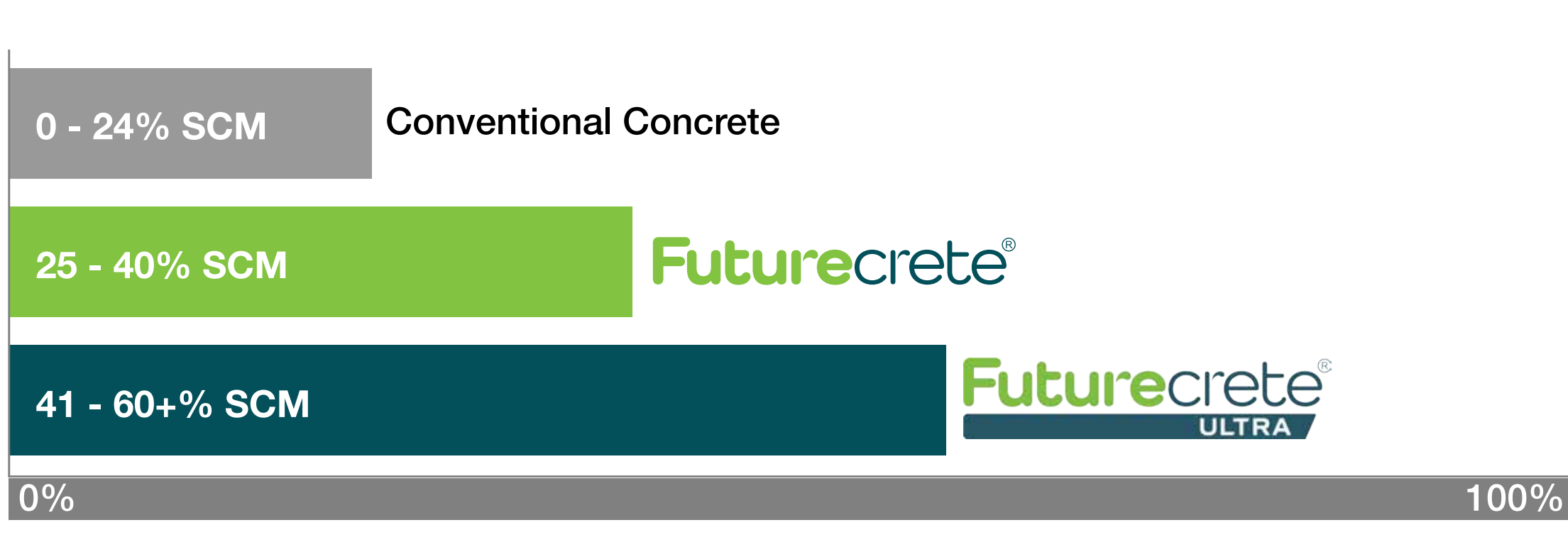
EvoCem[™]

cement technology

Cement is the most emissions intensive component of concrete, and not all cements are created equal. By using EvoCem[™] cement technology, Futurecrete[®] achieves lower embodied carbon with equivalent performance to Type GP cement.

In NSW, VIC, SA and NT, Futurecrete[®] is enhanced by EvoCem[™] lower carbon cement.

Futurecrete[®] achieves significant Type GP cement replacement



Supplementary Cementitious Materials (SCMs) are re-purposed industrial by-products which possess cementing properties but have much lower embodied carbon. By replacing a portion of cement with SCMs in concrete, the embodied carbon of the mix can be lowered. Futurecrete[®] uses a minimum of 25% SCMs to save on carbon. Futurecrete[®] Ultra uses a minimum of 41% SCMs.

How much carbon will you save with

Futurecrete[®]

For a free carbon saving calculation, visit futurecrete.com.au

¹ Macromonitor. (2023). *Australian Construction Materials Forecasts*. Epping: Macromonitor.
² #Building to COP26, *World Green Building Council*, retrieved May 22 from #BuildingToCOP26_Launch_Press_Release_-_Final (1).pdf (globalabc.org)
³ AusLCI baseline for straight GP cement, no SCMs