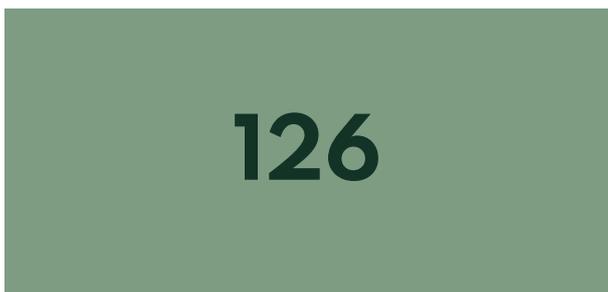




COLLABORATION FOR CHANGE

# Case Study: Campbell Primary School

Embodied CO2e reduction  
(tCO2e)



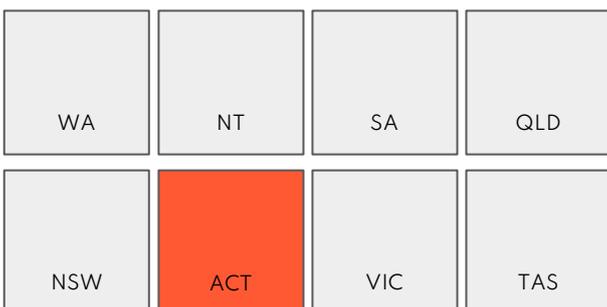
## CATEGORY



## SUPPLY CHAIN



## REGION



## Profile

Organisation: Lendlease

Website: <https://www.lendlease.com/au/>

About: Lendlease is a globally integrated real estate group with expertise in shaping cities and creating strong, connected communities.



## Section 1: Opportunity

Lendlease is a 1.5°C aligned company, and our focus on the environment and carbon targets is stronger than ever. Our global #MissionZero commitment has set a target of achieving absolute zero carbon by 2040, including Scope 3 emissions without use of offsets. The Campbell Primary School Modernisation project tested Lendlease’s supply chain adaptability to these targets by putting sustainability at the heart of the procurement process. With over 8,000m2 of new concrete area across the structure and landscaping elements, the project team examined opportunities for carbon reduction in concrete.

## Section 2: Solution

The solution was that the Lendlease team worked with Boral Australia to use a proprietary product (ENVISIA®) that has reduced the carbon emissions generated from the production of the concrete by over 40%. Achieving a 40% absolute reduction was a substantial outcome. Further to this achievement, Lendlease procured Climate Active certified concrete mixes at Campbell Primary School as This meant that the remaining embodied carbon in the concrete supplied was certified carbon neutral through the use of offsets.



### Section 3: Lessons

The Campbell Primary team further report that any impacts to curing times on the ENVISIA mixes procured had a negligible impact to program and could be attributed to cold climatic conditions in Canberra.

### Section 4 : Impact measurement

Over 3000m<sup>2</sup> of concrete slab across two new learning communities at Campbell Primary have been poured with Climate Active concrete. This includes approximately 1,300m<sup>3</sup> of foundations, vertical elements and slabs. Additionally, a further 5,000m<sup>2</sup> concrete will be used in the hard landscaping elements of the school modernisation project. All of which is Carbon Neutral. Compared to the GBCA baseline mixes, the project has achieved a 42% reduction in embodied carbon impact, which is a total saving of 126t CO<sub>2</sub>e.

#### Disclaimer

The Materials Embodied Carbon Leaders Alliance (MECLA) has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law. You can copy and distribute even for commercial purposes, without asking permission. In no way are the patent or trademark rights of any person affected by this nor are the rights that other persons may have in the work or in how the work is used, such as publicity or privacy rights. Unless expressly stated otherwise, MECLA makes no warranties about the work, and disclaims liability for all uses of the work, to the fullest extent permitted by applicable law. When using or citing the work, you should not imply endorsement by the author or the affirmer. The views expressed in this publication may not reflect the combined opinion of MECLA or any of its affiliated organisations. Whilst care has been taken to present the most accurate information, none of the authors, contributors, administrators, or anyone else connected with MECLA, in any way whatsoever, can be held responsible for any errors, omissions, or use of the information contained in or linked from this publication. All information is provided 'as is', with no guarantee of completeness, accuracy, timeliness or the results obtained from the use of this information. Information is intended for general informational purposes and users should obtain specific independent advice from professionals.