

ASP Access Floors Pty Ltd

SC Ultrafix flooring system



ASP Access Floors provides commercial and industrial access flooring solutions in Australia, New Zealand, UK, USA and the United Arab Emirates.

Access flooring systems allow for easy access to under-floor services such as power and data, hydraulics, fire, and mechanical. The modular design allows the user to easily alter a building's service layout to accommodate emerging spatial and service requirements.

ASP Access Floors, working with Catalyst® Ltd, has achieved CEMARS certification for its organisation and carboNZero certification for the SC Ultrafix flooring system installed in the Barangaroo South waterfront project. This is a major redevelopment managed by Lend Lease with clear sustainability objectives.



Lend Lease is one of the world's leading fully integrated property and infrastructure solution providers. When they won the contract to develop Barangaroo South on the Sydney waterfront they had big plans to make it as sustainable as possible. A key part of this was to understand the carbon footprint of all products used in the development and as part of the tender process they requested information about the embodied carbon content of the suppliers' products.

ASP Access Floors believed that its flooring systems had good sustainability credentials as the Chinese-made components are made using renewable energy sources (hydro) and have more than 80% recycled content. However, ASP had never formally measured its environmental footprint.

To win the contract to supply Lend Lease with the 300,000m² of access flooring needed, ASP needed quantitative data to back up its environmental claims.

ASP was new to this process so enlisted the services of sustainability consultant Wymond Symes from Catalyst® Ltd. With Catalyst's guidance ASP put a plan into action to measure the carbon footprint of SC Ultrafix, the flooring system going into Barangaroo South.

Not satisfied with simply measuring the footprint, ASP decided to take the further step of making all product going into the towers carbon neutral through carboNZero certification. With this evidence of environmental responsibility, ASP was awarded the contract with Lend Lease, and the project began in earnest.

To apply sustainability more broadly than just the product going into Barangaroo South, ASP also joined the CEMARS programme for its organisational footprint. This involved

- measuring the company-wide carbon footprint,
- developing and implementing a carbon reduction strategy, and
- seeing how effective it is.

An annual independent audit ensures that ASP accurately tracks its footprint and makes real change.



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300,000m²

The total flooring required for the Barangaroo South project

24.63 kgCO₂e

The carbon footprint of one square meter of SC Ultrafix flooring

20%

Savings in ASP Access Floor's carbon footprint so far

Over 40

The number of Green Star projects ASP Access Floors has contributed to

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The carbon reduction strategy has involved some exciting changes to operations. Reconfiguring some of the import supply routes contributed to a 20% reduction in the company's overall carbon footprint in the first year. Other initiatives, such as diverting waste from landfill, reducing business travel, and being more energy efficient are also proving successful, not only in reducing emissions but in staff engagement as well.

ASP is excited to be part of the Barangaroo South redevelopment project. The project has lofty sustainability targets, including:

- embodied carbon target 20% less than standard construction practice
- carbon neutrality for the towers once operational
- Green Star certification

ASP is satisfied knowing that it has made a significant contribution to these targets. The main objective to joining the carboNZero programme was to win this tender, but a bonus has been the response from Lend Lease. Because ASP exceeded the sustainability requirements, ASP is now a flagship supplier for Barangaroo South.

For any company working on a product lifecycle, knowing what data to collect can be worrying, as well as finding the time and resource to develop targets and reduction plans. If you are considering product certification, ASP recommends first:

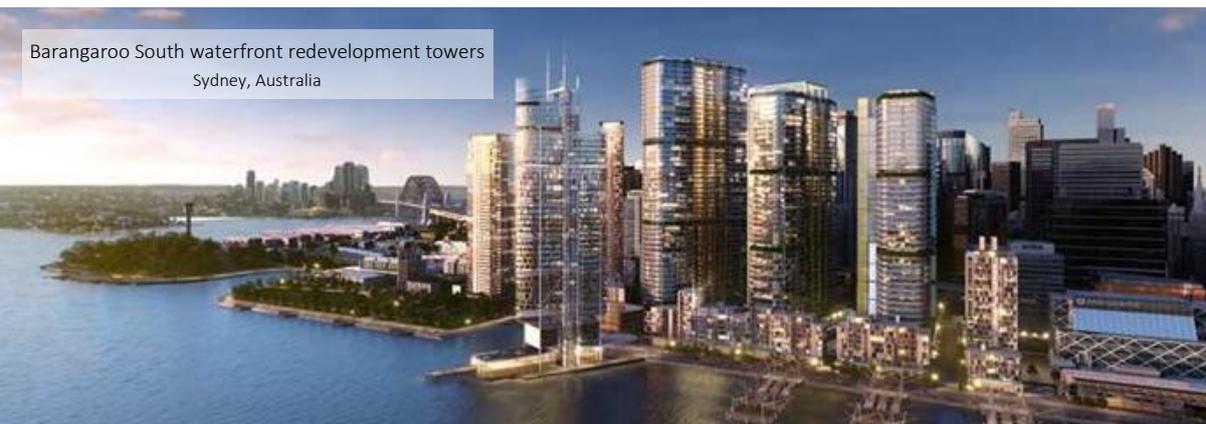
- scoping the project to know what information to gather, and
- considering using a consultant with expertise in product carbon footprinting if you don't have this knowledge in-house.

ASP found the calculation and audit process easier with support from Catalyst. Together, ASP and Catalyst collected the required data to calculate the cradle-to-gate carbon footprint and developed targets to reduce emissions. Catalyst also provided support during the independent audit. Now that ASP is more familiar with carbon footprinting, it has begun to look at its environmental performance beyond carbon. ASP is partnering with Catalyst to look at the wider impacts of the product and driving increased sustainability in the construction industry.

“We always knew our products were sustainable. CEMARS and carboNZero certification allowed us to prove it.”

Angela Zlatar,
Sales and Marketing Manager

Barangaroo South waterfront redevelopment towers
Sydney, Australia



FOR FURTHER INFORMATION

CEMARS & carboNZero Programmes

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