



The Stokehouse Restaurant, St Kilda

Overview

Location

St Kilda, Victoria

Owner

Van Haandel Group

Builder

Lanskey Constructions

Engineer

Robert Simeoni

Architect

Bonnaci Group

Date

2014-2016

" The most exciting thing about the Stokehouse is the fact that we've managed to make it as environmentally friendly as we possibly can. "

Frank Van Haandel
Owner, Van Haandel Group

Boral helped lift the famed Stokehouse restaurant out of the ashes of a devastating fire in 2014 to become Australia's first 5 Star Green Star building of its kind. The owner's criteria for the new building included that it looked great and construction was as environmentally friendly as possible. It is now home to a refreshed and larger Stokehouse restaurant, casual dining space Pontoon and beachside fish and chip kiosk, Paper Fish.

Concrete Performance*

ENVISIA[®] 40 MPa

Portland cement reduction**	60%
4-day strength	28 MPa
7-day strength	33 MPa
28-day strength	43 MPa
Drying shrinkage at 56 days	280 m/s

ENVISIA[®] 50 MPa

Portland cement reduction**	60%
3-day strength	33 MPa
4-day strength	42 MPa
7-day strength	48 MPa
28-day strength	56 MPa
Drying shrinkage at 56 days	300 m/s

Outcomes

- The rebuild was at the forefront of low-carbon emission construction as the first Victorian venue to showcase Boral's ENVISIA[®] lower carbon concrete.
- ENVISIA[®] was used for the cantilevered slabs and exposed columns of the split level restaurant to reduce the volume of concrete and steel reinforcement required.
- ENVISIA[®] was chosen for its various characteristics including lower carbon, high early strength, durability, light colour, excellent off form finish and suitability for marine environments.
- ENVISIA[®] is expected to extend durability of the Stokehouse by more than 100 years.
- ENVISIA's[®] lower carbon credentials assisted our client to meet Government environmental and sustainability requirements for developing Crown land.

For more information please visit
www.boral.com.au/lower-carbon-concrete

* Mean results. **cf Green Building Council of Australia Mat 4 reference case. Boral, the Boral logo and Envisia are trade marks or registered trade marks of Boral Limited or one of its subsidiaries. 17645 09/21