

ENVISIA® Projects

LOWER CARBON, SUPERIOR DURABILITY, LOWER SHRINK, GREATER FLEXURAL STRENGTH

CROWN SYDNEY

Boral is presently supplying ENVISIA® for the construction of Crown Sydney to meet the specification requirements of developer Lendlease and achieve a 3 star Green Star energy rating. Located in the Barangaroo precinct alongside Sydney Harbour, Crown Sydney will feature a casino, luxury apartments and the city's first six-star hotel.



PUNCHBOWL MOSQUE, SYDNEY

ENVISIA® was used for all the concrete elements above ground of this project including 99 ornamental vaulted dome shapes inside the Punchbowl Mosque in south-west Sydney.

Architect Angelo Candalepas selected ENVISIA® because of its light appearance and good off-form finish while the engineers were able to take advantage of its low shrinkage characteristics.



STOKEHOUSE MELBOURNE

ENVISIA® was chosen for the cantilevered slabs and columns of the split-level restaurant on the St Kilda foreshore to reduce the volume of steel reinforcement and concrete required for construction. It was also selected for its lower carbon attributes to assist the building attain a 5 star Green Star rating.

ENVISIA's® light colour and excellent off-form finish were well-suited to the exposed columns and slabs used in the design and expected to extend durability of the building to more than 100 years and complemented by the product being ideal for marine environments.



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333 GEORGE STREET, SYDNEY

ENVISIA® was supplied to Watpac for the construction of an 18-storey building at 333 George Street in Sydney's CBD to achieve a 5 Star Green Star energy rating.

ENVISIA® was used to build the columns, core walls and suspended post-tensioned slabs where drying shrinkage was a critical factor in the design. ENVISIA® achieved the 22MPa strength needed after four days, allowing construction to continue at a rapid pace required in modern projects, compared to the five or six days that would be expected from concrete with this high level of cement replacement.



BARANGAROO SOUTH

The 7.5-hectare Sydney Harbour site will feature open space, commercial, residential, retail, dining and accommodation elements. Boral provided ENVISIA® to assist Lendlease meet its sustainability and strength goals with supply via an onsite mobile batch plant to optimise results under demanding pumping conditions, continuous high-volume pours in a congested Sydney Harbour site. Barangaroo South is part of the 22-hectare Barangaroo redevelopment of the former container terminal on the western edge of the harbour.



KENDRICK PARK, SYDNEY

This path regularly flooded during the high tides of the adjacent Cooks River and heavy rainfall, temporarily blocking use for cyclists and pedestrians.

Inner West Council used ENVISIA® for its low shrinkage qualities an important characteristic in sea wall construction, resistance to chloride ingress in a marine environment, high early strength, off-white colour, resistance to sulphates due to its lower permeability, lower carbon levels, quality finish and high durability to lower life cycle costs.



Visit our website to find out more:

www.boral.com.au/advanced-concrete

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