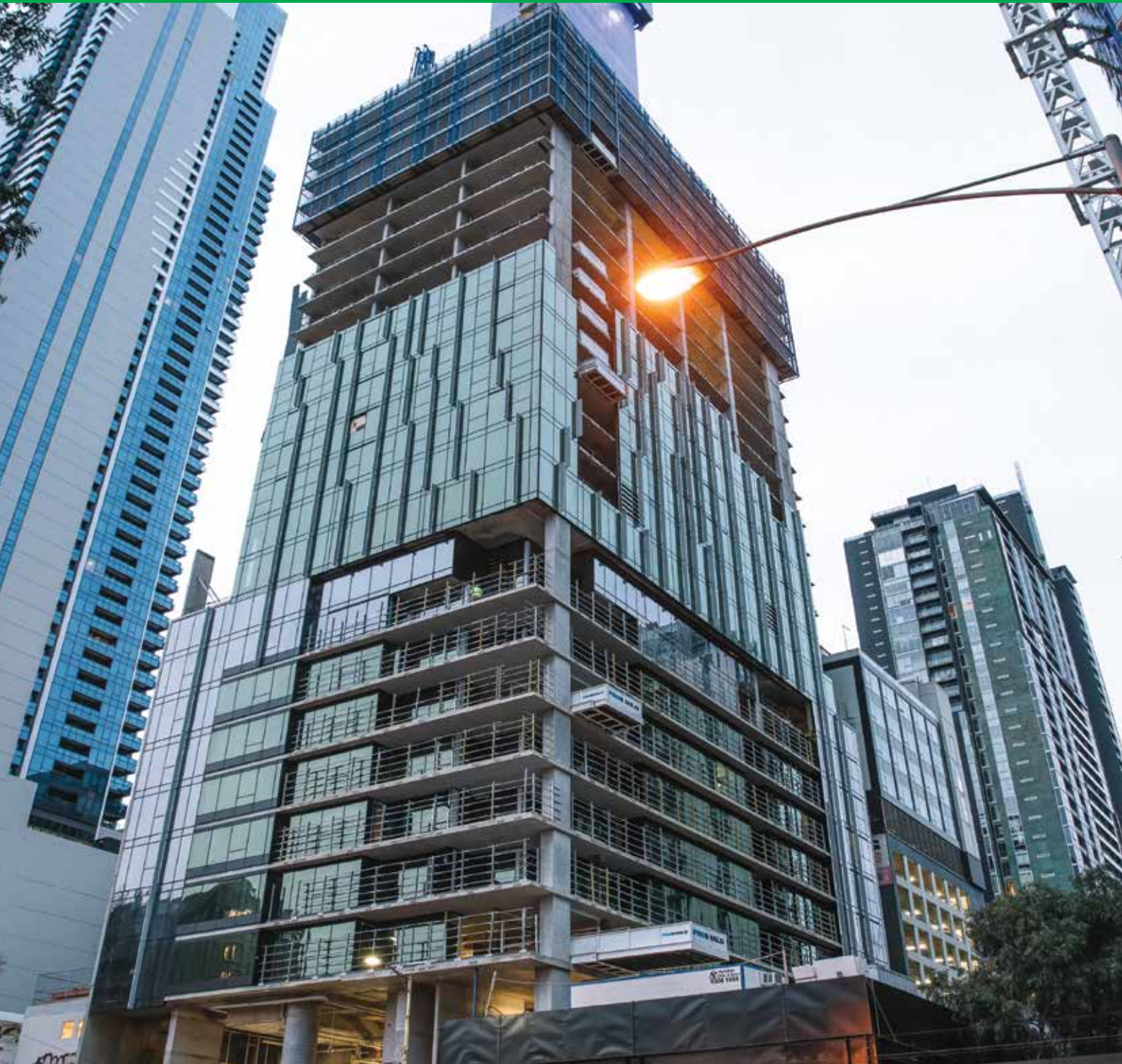


BORAL CONCRETE
Build something great™



Aspire®



VERY HIGH STRENGTH • HIGH MODULUS OF ELASTICITY • LOW SHRINKAGE

VERY HIGH STRENGTH, HIGH QUALITY

Aspire® is Boral's innovative very high strength, high quality engineered concrete designed to assist architects, designers, developers and engineers with high-rise construction.

Engineering properties

- Higher modulus of elasticity than the values estimated in AS3600
- Low shrinkage, creep and permeability
- Excellent resistance to chloride-induced and carbonation-induced reinforcement corrosion.

Reducing construction costs

- Thinner vertical elements requiring less concrete, reinforcing and formwork
- More efficient/reduced dampening systems
- Faster construction time
- Reduced dead load and cover to the reinforcing.

Increasing building value

- Maximising floor space due to thinner vertical elements
- Increasing floor space due to a smaller dampening system
- Allow for unique architectural designs
- Building on smaller footprints.

Sustainability

- Improving the sustainability of structures through dematerialisation
- Lower overall Portland cement compared to equivalent high strength concrete.

Nominal performance characteristics for Boral's Aspire® range

Aspire Range	Compressive Strength (MPa)	Mod E (GPa)
Aspire 40	65	40
Aspire 45	80	45
Aspire 50	100	50



Victoria One Melbourne

Aspire® enhanced the performance and stiffness of Victoria One. The benefits of lower shrinkage and creep lowered the risk of movement of the façade. Aspire® also allowed for less pre-sets at higher levels on slabs to allow for axial shortening, created a positive effect on dampening solution and provided effective risk mitigation through a very workable concrete that pumps higher than 250 metres.

For more on Boral Advanced Concrete visit:

www.boral.com.au/advanced-concrete

A Safety Data Sheet is available on the Boral website or by contacting Boral customer service. Images in this brochure are only representative of Boral products and the appearance and effect that may be achieved by their use. Particular projects may require the use of specific construction techniques or products. Boral recommends obtaining technical advice prior to construction. Boral, the Boral logo, boral.com.au, Build something great are trade marks or registered trade marks of Boral Limited in Australia. Copyright Boral Construction Materials Limited ACN 000 614 826 – all rights reserved 2011. BCC_16160 9/18.

