

Technical and Pavement Engineering Excellence





Smarter technical solutions, innovation for the future

Comprehensive Technical Services

Fulton Hogan's Technical and Pavement Engineering team have a long history of shaping smarter, innovative solutions built on deep expertise in aggregates, binders, asphalt, stabilisation, and pavement design. By embedding engineering at our core, we apply a holistic, risk-reduction focus at every stage—from initial study through design, construction, maintenance and renewal. This ensures each project delivers optimal value, reliability, and longevity.

Our industry-leading specialists are supported by a network of over 40 state-of-the-art, accredited laboratories across New Zealand and Australia. This capability underpins our reputation for rigorous analysis and practical, cost-effective advice. We optimise the use of existing materials, introduce new technologies, and drive continuous improvement, drawing on global best practice and leading-edge research.

Our proprietary solutions are developed and refined to deliver exceptional functional and financial benefits for our project partners. Purpose-engineered for the rigours of civil and port environments, these products are supported by robust testing and proven application.

We provide tailored, practical advice across the full spectrum of technical and engineering services:

- Specifications and drawings
- Rehabilitation and structural design
- Maintenance options and planning
- Performance-based material testing
- Forensic investigations
- Economic and life cycle analysis
- Seal and binder design

Our in-house teams are equipped to address complex, live environments, including airports and busy road networks. We are committed to reducing disruption, streamlining project delivery, and achieving real cost efficiencies.



Sustainability and Community Legacy

Sustainability is fundamental to our technical and Research and Development (R&D) ethos. Our R&D efforts are focused on minimising environmental impact, accelerating recycling, sourcing eco-friendly materials, and developing processes that support a circular economy. The infrastructure we deliver is designed to benefit communities and contribute to a positive legacy for future generations.

Environmental, social, and governance principles underpin every aspect of our work. We strive to lead with integrity, ensuring our actions deliver outcomes that uphold our responsibilities and support long-term resilience.

Collaborative Approach and Lasting Partnerships

Fulton Hogan's technical teams take pride in partnering with customers, consultants, and industry experts to deliver outstanding project outcomes. By engaging closely across each phase, we build strong, trusted relationships and offer solutions tailored to each project's operational and environmental needs. Our collaborative approach draws on input from consultants, research institutions, contractors, and client organisations across New Zealand, Australia and internationally.

Ongoing participation in Austroads committees, and active membership in industry bodies such as Civil Contractors New Zealand, the National Pavements Technical Group, Australian Flexible Pavements Association and Australian Airports Association, ensures our practices reflect current standards and leading industry innovations. Through this commitment, we foster an environment that prioritises safety, embraces innovation, and promotes adaptability—enabling us to consistently deliver projects that meet the highest expectations.

Delivering Smarter Outcomes

Our decades of experience in pavement and structural design, Fulton Hogan is equipped to provide technically advanced and practical support tailored to unique project needs. Our portfolio of flexible pavement products, proprietary materials, and engineered construction methodologies positions us as a leader in the delivery of future-ready, cost-effective, and sustainable infrastructure across Australia and New Zealand.



Fulton Hogan New Zealand

15 Sir William Pickering Drive, Burnside, Christchurch, 8053

T: +64 3 357 1400

E: pavements.engineeringsolutions@fultonhogan.com

fultonhogan.com



Fulton Hogan Australia

Botanicca Corporate Park Bld 7, Lvl 1, 572 Swan St, Richmond VIC 3121

T: +61 3 9340 6200

E: info@fultonhogan.com.au