

Megapoxy®

Segment by segment: holding up a record- breaking bridge

Project name: Bridgewater Bridge

Project owner: Tasmanian Department
of State Growth

Design & Construction: McConnell Dowell

Location: Hobart, Tasmania



PROJECT SNAPSHOT

Megapoxy PME SBA was used to bond 1,082 concrete segments of the new 1.2-kilometre Bridgewater Bridge – Tasmania's largest-ever infrastructure project. Spanning the River Derwent, the \$786 million structure replaces a 1946 lift-span bridge. Featuring four traffic lanes and a 3-metre-wide shared path for pedestrians and cyclists, it is transforming travel for more than 22,000 vehicles a day.

Project demands + site challenges

- Major river crossing built from over 1,000 precast segments.
- Bonding in vertical and overhead positions.
- Segment-by-segment installation, using a balanced cantilever method.
- Tight, phased construction schedule.
- Exposure to shifting weather and on-water conditions.
- High, long-term traffic loads.
- Need for ready product supply and expert advice.



Precast segments aligned for bonding

Solutions, service + simplicity

We were proud to deliver the ideal solution and technical know-how for this milestone build – backed by practical support and reliable supply from start to finish.

The 1,082 concrete segments were installed one by one using a balanced cantilever method, extending outward from each pier in a self-supporting sequence. Each segment was placed and bonded directly against the previous one (known as match-casting), to ensure a precise and continuous fit.

Megapoxy PME SBA was used to bond every joint between segments. Its non-sag consistency made it ideal for vertical and overhead application, while the rapid cure time helped maintain construction momentum. Its pre-measured formulation ensured consistent mixing and performance across all joints.

PRODUCTS USED

- Megapoxy PME SBA >

Standout benefits

- Trusted solution for one of Australia's longest road bridges over water.
- Precision bonding for staged installation across 1.2 km segmental design.
- Fast-curing formulation helped drive progress during key stages.
- Clear, efficient application supported tight timeframes.
- Confidence of lasting strength and safety on a critical freight and commuter route.



Just some of the 1,082 bonded segments



Bridgewater Bridge – Tasmania's largest-ever infrastructure project.

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