

Megapoxy®

History in the making: fast, lasting solutions for heritage-listed bridge

Client: Transport for NSW

Location: New South Wales



PROJECT SNAPSHOT

In 2020, Megapoxy solutions were used to help repair and strengthen the top chord of Crankies Plain Bridge over Coolumbooka River. Still a high-traffic crossing, this heritage-listed structure was completed in 1892 – and is one of only seven McDonald timber truss road bridges remaining in the state.

Client needs + challenges

- Easy-to-handle on the job.
- Fast-setting to limit closure time.
- Outstanding strength, durability and longevity.
- High resistance to impacts and corrosion.
- Reliable availability, supply and delivery.



Holes and splits to be repaired



Splits to be repaired



PRODUCTS USED

- [Megapoxy 69 >](#)
- [Megapoxy MC2 >](#)
- [Megapoxy 108 >](#)

Solutions, service + simplicity

Our technical team's guidance helped ensure the most effective, efficient solutions to minimise disruption for locals – as the bridge plays an important part in connecting residents and the farming community at Bombala to the coast.

- The team first removed all damaged and rotted timber.
- They sanded and removed paint from the top chord, and sealed all large holes and splits with Megapoxy 69, our high-strength epoxy adhesive gel with exceptional and sustained impact resistance.
- All small holes and splits were then sealed by painting on Megapoxy MC2 (in white), a maintenance coating with fast work time, proven durability and resistance to corrosion, impacts and scrapes.
- Finally, pouring holes were drilled along the top chord into the void to be filled.
- Megapoxy 108 mixed with a fine aggregate and pour into the splits and prepared holes. This created a rapid-set liquid epoxy mortar to create high compressive and impact strength, fast.

Standout benefits

- A stunning result – both structurally and aesthetically.
- Strength and versatility to meet specific project needs.
- Met designer's vision, project practicalities and construction schedules.



Splits to be repaired with Megapoxy 108

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