

Megapoxy[®]

Smart system: injecting new strength into a yacht's hull

Location: South Australia



PROJECT SNAPSHOT

Repair and strengthen the hull of a yacht made of ferro-cement: a construction material consisting of wire meshes and cement mortar – or a type of thin reinforced concrete.

Client needs + challenges

- Fast, simple and reliable hull repair.
- Deep, comprehensive crack filling and sealing.
- Prevent further corrosion.
- Restore structural integrity.
- Solutions to withstand tough conditions and movement.



Megapoxy PM used to bond Balloons.



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PRODUCTS USED

- [Megapoxy HX >](#)
- [Megapoxy PM Grey >](#)

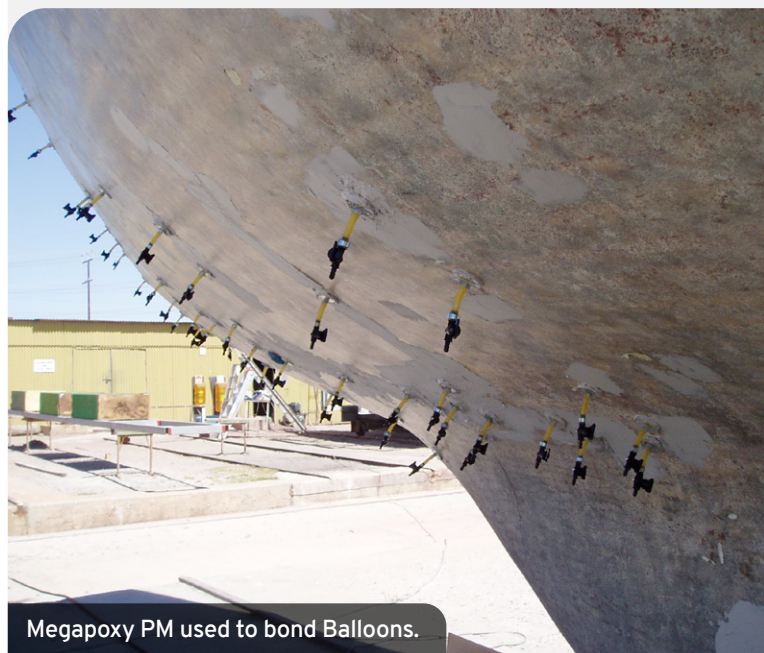
Solutions, service + simplicity

Having already used our products for ferro-cement boats, the client knew they wanted a Megapoxy solution for this yacht. We helped guide them through the application of our crack injection system, bringing simplicity and confidence at every step.

- All existing anti-fouling paint was first removed from the hull – along with any loose or damaged concrete.
- Crack injection balloons were glued to the hull (along crack lines) using Megapoxy PM, an epoxy paste adhesive with outstanding strength and robust adhesion.
- Using an injection gun, the balloons were injected with Megapoxy HX – a solvent-free, high-flow liquid resin that penetrates deep into cracks.
- The balloons are designed to facilitate precise placement over cracks – and for the user to easily see and monitor the flow of injecting resin.
- A specified time after injection, the team simply ground off the injection balloons and any additional product, leaving a smooth surface.

Standout benefits

- A simple step-by-step process with visual aids (balloons) and leakage-free connections.
- An economical and permanent repair system.
- Deep structural repair and strengthening.
- Easy-clean, easy-to-use tools for every step.



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