



*Delivering concrete solutions
for a sustainable future*

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Livingstone Council again chooses Fibercon's MP in 2.2kms of Shared Coastal Bikeway

No Steel: No Risk of Corrosion - Ever

With over 6 years' experience with the virgin Fibercon product, Livingstone Shire Council has again chosen to take advantage of Fibercon Macro Poly fibres to protect against corrosion.

With stunning beaches and low-lying wetlands, the area around Barmaryee Road at Yeppoon is subject to damage from corrosion to the concrete joints in surrounding pavements, which results in spalling and potential tripping hazards. The N32/20 mix supplied by Tandy Concrete, coupled with 4.6kg of MPP Fibres to 1 cubic metre of concrete, eliminated the need for traditional steel mesh along the 2.2km of the Barmaryee Road Shared Path.

Danley's **PaveX™ Expanda™** - a lightweight, corrosion-free uPVC expansion joint system – was also used. A great partnership with ICT-Concreters Warehouse, Tandy Concrete, Danley and Fibercon.



Emesh Environmental Update July 2020

- Recycled 150 tons of plastic—equivalent to the plastic waste of 1,654 Australians for 1 year
- Reduction of 3,930 CO2 emissions—equivalent to taking 726 cars off the roads for 1 year
- Saved 63,361 m3 water
- Saved 669 tons of fossil fuel
- 6,800 hours of NDIS Employment

Central Coast Council trials Emesh in Danley PaveX™

Emesh continues to be used by Central Coast Councils and trialled in combination with Danley's new PaveX™ systems. No Steel – No Risk of Corrosion - Ever.

Central Coast Councils have used Emesh for over 2 years. This year saw the introduction of Danley's **PaveX™** in a 200m section of pavement measuring 1.5m wide and 100mm thick. Emesh™ fibres (4kg/m3) in 25 MPa concrete was used with a 30% glass replacement, supplied by Hanson in the back of the truck.

Critical to the sustainability design criteria for Murrawal Road Wyongah was eliminating the use of traditional mesh reinforcement. Fibercon's™ Emesh™ was used to mitigate the impact of corrosion related concrete spalling and joint failure.

Danley's **PaveX™** was used at the expansion and weakened plane joints. Its unique, recyclable uPVC profiles provide a corrosion-free, UV stable system which complies with the requirements of Australian Standard AS3727.1:2016.



Onkaparinga Council uses Emesh for 1/100 year storm protection

1/100 year storms may be infrequent, but they cause a lot of damage when they do happen.

Onkaparinga Council has used Emesh in a 195m2 section of the upgraded footpath along the coast near O'Sullivan's Beach boat ramp. The section of the footpath is susceptible to heavy flooding. Emesh was selected due to its noncorrosive properties – particularly suitable to marine environments.

Onkaparinga has joined a growing list of South Australian Councils using Emesh in footpaths and shared pathways including Stuart, City of Norwood, City of Campbelltown and City of St Peters.

Emesh selected for Iconic Whyalla Jetty

A unique \$7.8 million jetty has been completed on budget and on time in South Australia's Whyalla.

The new structure is 165m long. The circumference of the loop adds a further 150m of walking distance.

The jetty deck is made of pre-cast concrete platen slabs supplied by SA Precast that are suitable for the severe marine environment. Engineering Design firm Magryn & Associates Pty Ltd chose to use Inconomat's VRod glass fibre reinforcing bar with Fibercon's Emesh as complementary reinforcement rather than steel bar and mesh, which eliminates any possible corrosion in the concrete.

The official opening has been delayed due to Covid 19, but has generated considerable interest both within the community, and the industry. You can read more on the Council website [by clicking here](#)



The environmentally sustainable jetty is set to become a tourist attraction

Grants of up to \$300,000 for Victorian Councils for using recycled material in Infrastructure Projects

To improve sustainability in local government infrastructure, Victorian Councils can apply now for grants from \$50,000 - \$300,000 on a 1:1 co contribution basis



The Victorian Government, in conjunction with Sustainability Victoria, is offering the grants for eligible projects including bridges; buildings; carparks; cycleways; drainage fixtures; footpaths; furniture and fittings for parks, open spaces and streetscapes; roads.

Emesh can be used in Carparks, Cycleways, Drainage works, Precast pits in Drainage works and is the favourite for Footpaths. Stages or components of projects that are currently underway are eligible, as long as the infrastructure hasn't been constructed before signing the funding agreement.

[See Sustainability Victoria](#) for all the details – applications close 3pm 8th October 2020.

Fibercon Emesh is an approved supplier – [Click here for our listing](#)



Fibercon welcomes Stuart Neilson to the Team

Stuart Neilson and Fibercon have worked on projects together for 8 years, and now are pleased to welcome Stuart on board.

In his 30 odd years within the industry, Stuart has worked with some of the biggest fibre companies in the world including Sika, Adfil and for the last 8 years in Australia, ReoCo. His experience across both industries and applications is invaluable.

Stuart is based in Sydney which really expands Fibercon's reach and knowledge base and adds an extra dimension to the vast offering of the Fibercon team.

Townsville opens 1st Stage of Underwater Museum, with Emesh reinforcement

The Museum of Underwater Art (MOUA) is set to be a major tourism attraction and highlights reef conservation, restoration and education. Jason deCaires Taylor is the world's leading underwater sculptor. His work attracts global interest with tourists and divers eager to learn and interact with his sculptures.

Emesh was selected for reinforcement for its environmental credits and the non-corrosive nature of the recycled polypropylene plastic instead of the traditional steel.

