

## 12 Years of Helping NDIS Workers and 5500 Tonne Reduction in CO2 Emissions

Over the last 12 years ENVIROMESH has forged a special relationship with **McCallum Industries** in Ballarat to package our concrete fibres. This includes our 100% recycled plastic fibre - eMesh. In addition to providing an extensive range of Disability Support Services including purpose-built accommodation, McCallum employs 90 people on the National Disability Insurance Scheme (NDIS) - all of whom have worked on ENVIROMESH products.

“We are proud that ENVIROMESH's eMesh and Macro Fibres have helped support these workers for over 12 years”, stated ENVIROMESH CEO Alex Lester. “Enabling employment for NDIS workers through the supply chain for infrastructure has long been part of ENVIROMESH's Sustainable Development Goals Policy.”

And ENVIROMESH's environmental goals are being met with a milestone 5,500-tonne reduction in CO2 emissions.

Using ground-breaking research developed in conjunction with James Cook University, eMesh fibres are small plastic fibres 47mm long and 1.5mm wide and are added to the concrete to replace the traditional steel mesh reinforcing.

eMesh fibres are like mini reinforcing bars mixed all through the concrete: a standard eMesh concrete would have over 120,000 fibres in every cubic metre. eMesh is made from 100% recycled plastic, Polypropylene - the second most widely used plastic in the world. It also has the lowest recycling rate – estimated at below 1 percent.

PP is also one of only 3 plastic types which floats – forming a major component of the ocean gyres and estimated an 8 million tonnes of plastic entering the ocean each year.

In addition to environmental benefits of replacing steel, eMesh has several other benefits that makes it a sustainable alternative for concrete reinforcement in light infrastructure applications :

- **Environmentally Friendly**  
Uses 100% recycled plastic
- **Cost-effective**  
Saves time and money with increased longevity
- **Faster and Safer to Use**  
Reduces construction time
- **Third-party Audited**  
Environmental Product Declaration
- **Australian Made and Owned**  
The Australian Innovation Challenge Award Winner

“We are excited about what government and industry can achieve over the next 12 years”, stated Alex Lester.

