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Fibercon RMP47 – The Only AUSTRALIAN MADE 100% Recycled Macro Poly Fibre for Concrete Reinforcing
REDUCE YOUR CARBON FOOTPRINT NOW...
PROVEN TECHNOLOGY TO REDUCE COSTS AND IMPROVE QUALITY

Fibercon RMP 47 Macro Poly Fibre for Footpaths, Cycleways, Infills, Drains, Shotcrete and Precast Products

Fibercon RMP47 is a Macro Poly Fibre reinforcing for concrete made in Australia from 100% Recycled Plastic. Macro Plastic Fibre reinforcing is not new and has been used for over 10 years in Footpaths, Cycleways, Infills, Drains, Shotcrete and Precast Products. What is NEW, is you can now significantly reduce your carbon footprint by using a 100% Recycled Plastic Macro Poly Fibre, the Fibercon RMP47.



The table below outlines a case study of 100 square metre concrete pavement as well as the environmental benefits of using the Fibercon RMP47 compared with steel mesh.

Impact Category	Units	SL82 (8 sheets)	RMP47 (40kg)
Greenhouse Gas – CO ₂	CO ₂ -Kg	1108.3139	79.94
Ozone Depletion	CFC11 - Kg equ	4.99E-06	1.19E-06
Eutrophication	PO ₄ - Kg equ	0.398887	0.032635
Fossil fuel Usage	Oil - kg equ	294.13375	20.83717



JCU: Life Cycle Assessment Recycled Fibres
 Journal of Applied Polymer Science: App 2014,10-3573. R1

The above table shows that for every 100m² of pathways 1 ton of CO₂ is saved. For every 10 kilometers of pathways 150 tons of CO₂ is saved.

Fibercon Macro Poly Plastic fibres are designed in such a way that the fibres are distributed evenly throughout the concrete mix, uniformly reinforcing the entire concrete structure.

For technical information or assistance on how to specify, please contact us on
Phone: 1300 002 748 or admin@fibercon.com.au or www.fibercon.com.au

Over the past decade Fibercon have been at the forefront of research and development of Macro Poly Plastic Fibres. The need for a versatile reinforcing alternative to replace traditional mesh has driven this development.

Fibercon Recycled Macro Poly Plastic fibre is a game changer in the placement of concrete. Fibercon RMP47 eliminates the placement of mesh. By eliminating the need to cut and place mesh, reinforcing concrete with fibre results in a significant reduction in setup time and overall construction time, therefore saving money.

Local Government Authorities have one of the most difficult situations - balancing the dollars spent on their assets and managing lack of funds to make this happen quickly. The cost savings in using Fibercon Poly fibres are allowing Councils greater flexibility to solve this issue.

Fibercon is working with Local and State Authorities, and is experiencing growing acceptance in commercial and domestic applications for our Macro Poly Fibres. Councils in Townsville, Mackay, Rockhampton, Tweed, Grafton, Dysart, Gold Coast, Ballina, Yamba and Atherton, to name a few, are using the poly fibres in footpaths and cycle ways. The Department of Main Roads (Qld) and Roads & Marine Services (NSW) are also taking advantage of the Fibercon Macro Poly Fibres.

Benefits of Macro Poly Fibres

- Provide a highly effective and extremely economical alternative to traditional methods of reinforcement.
- Do not rust, eliminating issues such as staining of the concrete and long-term durability problems caused by corrosion.
- Safe and easy to handle.
- Provides excellent edge and impact protection due to the three dimensional dispersion of fibres throughout the concrete mix.



Precast Headwalls



Island Infills



Precast Pits

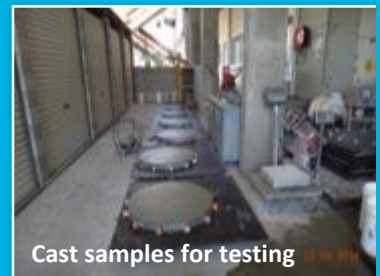


V-Drains, Large Drains, Channels

*Developed by
Fibercon QLD in
partnership with
James Cook
University*

A strict testing program to establish the given performance and properties of the recycled fibres in concrete was undertaken at JCU Townsville campus.

Full scale testing was carried out of precast elements of different sizes and configuration



Cast samples for testing



Full scale test of a pit



Fractured face of sample



JCU research staff