

MasterFiber®

The Innovative Alternative to Steel Mesh Reinforcement

There's a smarter, more advanced way to reinforce concrete. MasterFiber® high-performance synthetic fibres improve mechanical properties, durability, and overall toughness by controlling shrinkage cracking and enhancing abrasion and impact resistance. Our comprehensive range of fibers reduce reliance on secondary steel reinforcement, delivering proven performance from placement to long-term use.

Product Benefits:

- **Crack control:** Minimises cracking and provides load transfer at cracks that do form
- **Durability:** Increases resistance to impact, abrasion, and spalling
- **Toughness:** Enhances ductility and resilience to dynamic loads
- **Speed:** Eliminates steel mesh, reducing construction time
- **Sustainability:** Cuts steel usage and lowers carbon footprint



Scan the QR Code

to watch the video about
smarter, safer, more sustainable
concrete reinforcement



Strength Meets Sustainability

Contractors and engineers across ANZ are choosing MasterFiber® for its faster installation, reduced costs, improved safety, lower site impact and zero-waste packaging. Ideal for shotcrete, precast and slab applications, it offers a high-performance and environmentally friendly alternative to traditional steel mesh, without compromising on strength.

Synthetic Monofilament Microfibres

MasterFiber® monofilament microfibres (less than 0.3mm in diameter) are designed to control plastic shrinkage cracking and provide anti-spalling protection in the event of fire. These fibres offer early-age performance benefits without affecting concrete finish or workability.

Synthetic Fibrillated Microfibres

MasterFiber® fibrillated microfibres (also less than 0.3mm in diameter) improve concrete performance by controlling plastic shrinkage and settlement cracking. They provide impact resistance to the concrete and are ideal for low slump concrete such as extruded kerbing, simplifying construction while maintaining durability.

Synthetic Macrofibres

With a diameter greater than 0.3mm, MasterFiber® synthetic macrofibres enhance the toughness, crack resistance, and long-term durability of concrete. Suitable for a wide range of structural applications, they can replace traditional steel mesh or bar in temperature and shrinkage reinforcement, helping reduce labour and installation time.



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For more information about our comprehensive MasterFiber® range and to explore the right solution for your project.

