

# BarChip Macro Synthetic Fibre

BarChip macro synthetic fibre concrete reinforcement is a high-performance polypropylene fibre used as structural reinforcement in concrete & shotcrete.

## BarChip Concrete Benefits

- **70% reduction in carbon footprint compared to steel**
  - **Eliminates corrosion** – long term durability
- **Redistributes load – increased ductility & toughness**
- **Reduces maintenance costs and rehabilitation closures**
  - **Eliminates set-up of steel mesh**
  - **Reduces development cycle times**
- **Improves precast production speeds up to 50%**
  - **Increases abrasion and impact protection**
  - **Safer and lighter to handle than steel**
  - **Reduced wear on concrete pumps and hoses**
- **BarChip fibre is UV stabilised to resist solar deterioration**

*The BarChip reinforcement system works by distributing hundreds of thousands of high tensile strength fibres throughout the entire concrete mix. They reinforce every part of the concrete structure, front to back and top to bottom, leaving no vulnerable unreinforced concrete cover.*



BarChip 48  
Optimised for precast, paving and flooring works



BarChip MQ58  
Optimised for paving and flooring works



BarChip 54  
Optimised for sprayed concrete works



BarChip 60  
Optimised for high deformation sprayed concrete



BarChip R50  
Incorporating recycled materials



BarChip R65  
Incorporating recycled materials

# Find Out Which Fibre is Best for You!

See [www.GPIL.co.nz](http://www.GPIL.co.nz) for PDS and SDS

## BarChip<sup>48</sup>



BarChip 48 is a high performance structural synthetic fibre concrete reinforcement, optimised for pavements, industrial floors and precast elements.

**50%**

**Increase in Daily Floor Completion Rates**

**50%**

**Increase in Precast Production Speeds**

**100%**

**Reduction in Corrosion**

# BarChip<sup>54</sup>

# BarChip<sup>60</sup>



BarChip 54 is a high performance structural synthetic fibre concrete reinforcement, optimised for sprayed concrete (shotcrete). BarChip 60 is optimised for sprayed concrete (shotcrete) with large displacements.

**25%**

**Increase in Sprayed Concrete Application Speed**

**80%**

**Reduction in Fibre Handling Costs**

**100%**

**Reduction in Corrosion**

# BarChip MQ58



BarChip MQ58 is a high performance structural synthetic fibre concrete reinforcement, optimised for pavements and industrial floors. The unique composition of BarChip MQ58 enables a perfect, fibre free finish on your concrete works.

**23%**

**Reduction in Industrial Floor Costs**

**50%**

**Increase in Daily Floor Completion Rates**

**100%**

**Reduction in Corrosion**

# BarChip R50

# BarChip R65



BarChip R series is an environmentally friendly concrete fibre reinforcement from BarChip Inc. Made with recycled materials, BarChip R series delivers massive carbon savings to your concrete works, without sacrificing performance.

**25%**

**Increase in Sprayed Concrete Application Speed**

**80%**

**Reduction in Fibre Handling Costs**

**100%**

**Reduction in Corrosion**