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.

Work with BarChip and together we’ll unlock the full potential of your concrete mix.

Benefits
- Comprehensive design and technical support
- Redistributes load - increased ductility / toughness
- Eliminates corrosion - long term durability
- Eliminates set-up of steel mesh
- Increases daily slab pour rates up to 50%
- Increases abrasion and impact protection
- 70% reduction in carbon footprint compared to steel
- Safer and lighter to handle than steel
- Reduced wear on concrete pumps and hoses
- BarChip fibre is UV stabilised to resist solar deterioration
- Weather proof packaging on multi-stack HDPE pallets

Dosage
BarChip MQ58 has a regular dosage rate of 2.5 kg to 5 kg per cubic metre. Dosage rate should be determined based on performance requirements. Regular dose rates may reduce measured slump.

Mixing
BarChip MQ58 is added “Bags and All” to the mixer with initial batch water. Follow with dry materials and mix at high speed for the required revolutions. Alternative batching techniques can be applied.

Pumping
BarChip MQ58 can be pumped through 50 mm rubber hoses without difficulty. Precautions should be taken to ensure the fibres can pass freely through the hopper grate.

Handling and Storage
BarChip MQ58 is packed in pucks in 5 kg mulchable paper bags (450 kg per pallet) and supplied on durable, recyclable plastic pallets with a fitted rain hood to allow storage outdoors. Bags stored individually must be protected from water damage.

Conformity
Conforms to ASTM C 1116 - Type III
Conforms to EN 14889 - 2

www.barchip.com
Environmentally Friendly Concrete Reinforcement

BarChip synthetic fibre reduces carbon footprint compared to steel fibre and steel mesh alternatives. We’ve analysed the carbon footprint of a nominal 175 mm thick, 100,000 m² commercial floor reinforced with 5 kg/m³ BarChip, 25 kg/m³ steel fibre and 2 layers of steel mesh.

<table>
<thead>
<tr>
<th>Steel Fibre kg CO₂e</th>
<th>Steel Mesh kg CO₂e</th>
<th>BarChip Fibre kg CO₂e</th>
<th>Total Carbon Saving vs. Steel Fibre (kg CO₂e)</th>
<th>Total Carbon Saving vs. Steel Mesh (kg CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,060,937</td>
<td>974,000</td>
<td>243,250</td>
<td>817,687</td>
<td>730,750</td>
</tr>
</tbody>
</table>

That’s Equal To

- **259 Tonnes of waste recycled instead of land filled.**
- **21,191 Tree seedlings grown for 10 years.**
- **121 Homes electricity use for one year.**

Disclaimer: This information has been provided as a guide to performance only, for specific and supervised conditions. The user is advised to undertake their own evaluation and use the services of professionals to determine the product suitability for any particular project or application prior to commercial use. ISO 9001:2008

Distributors are located in other regions. For contact details visit www.barchip.com.

BarChip MQ58 Macro Synthetic Fibre

Easy Finish Fibre

Surface finish is a major problem for many fibre reinforcements. Protruding fibres and fibre patches are common areas of concern. BarChip MQ58’s uniquely engineered design and material composition ensures it remains embedded below the concrete surface without any changes to normal finishing processes. BarChip MQ58 achieves a fibre free surface with all common finishing techniques.

BarChip MQ58 Delivers Real Results.

- **23%** Reduction in Industrial Floor Costs
- **50%** Increase in Daily Floor Completion Rates
- **70%** Reduction in Carbon Footprint
- **100%** Reduction in Corrosion

Reinforcing Over 5 Million m² of Flooring Works

How much carbon would you save by choosing BarChip synthetic fibre reinforcement?

www.barchip.com MQ58

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BarChip Inc.
The Synthetic Fibre Experts

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