

Fibre Free Surface Finish

HelloParks
Jointless Floor
With BarChip



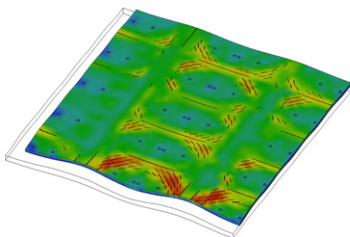
Fibre Reinforced Concrete Flooring Get The BarChip Advantage

BarChip macro synthetic fibre is a high performance solution that incorporates fibres into concrete flooring as a replacement for traditional steel reinforcement. Unlike steel mesh, it's faster to install, more cost effective and offers a reduced carbon footprint, making it the preferred choice for commercial and industrial concrete flooring applications.

- Faster Construction
- Reduced Cost
- Lower Carbon Footprint
- Increased Residual Strength
- Improved Crack Control
- Fibre Free Finish
- Corrosion Free Reinforcement

Jointless Flooring Solutions

BarChip has introduced a groundbreaking solution that enables jointless floor designs with our macro synthetic fibres, marking a new era in fibre reinforced concrete flooring.



Jointless Floor Designs are fully supported by TR34 and Finite Element Analysis calculations.



**TOUGH AS STEEL
& DOESN'T RUST**

BarChip Inc.
The Synthetic Fibre Experts
www.barchip.com

Get the BarChip 3-in-1 Advantage

The Best Fibre for Concrete Flooring

When it comes to fibre reinforced concrete flooring, BarChip MQ58 sets itself apart by delivering a unique triple benefit. BarChip MQ58 is the only fibre that delivers:



Shrinkage Crack Control



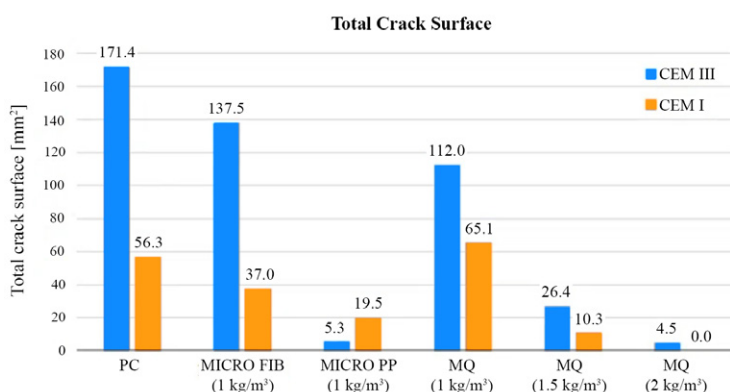
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Residual Strength

MQ58 Eliminates the Need for Micro Fibre (micro-PP)

Contractors commonly incorporate micro polypropylene (micro-PP) fibres into concrete mixes to prevent early-age shrinking cracking. However, in a game changing development shrinkage tests reveal that just 2 kg/m³ of BarChip MQ58 almost entirely eliminates shrinkage cracking. This means MQ58 at standard dose rates provides both residual strength and effective shrinkage control, simplifying concrete mixes and further reducing costs for contractors.



Shrinkage testing of micro fibre and BarChip MQ58 macro fibre.

Fibre Free Surface Finish

With its innovative fibre design, BarChip MQ58 sets a new standard in surface finishing. Its joined strands separate effortlessly during mixing, dispersing into the concrete for a seamless and easy finishing process. Regardless of finishing techniques, MQ58 delivers the best surface finish on the market.



ASA's Tibor Mihucz on BarChip MQ58 Finishing

"BarChip MQ58 is the only synthetic fibre that joins fibre strands along its length. They separate in the mix, have no memory and don't show up on the surface. It's the easiest fibre to finish we have used"

Proven Performance

BarChip is trusted by the world's biggest flooring contractors, with proven performance in some of the largest and most demanding flooring applications.



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Distribution
Centre



DHL Express
Warehouse



Manufacturing
Plant



Manufacturing
Plant



Distribution
Centre



Manufacturing
Plant



Manufacturing
Plant



Super Store



Distribution
Centre



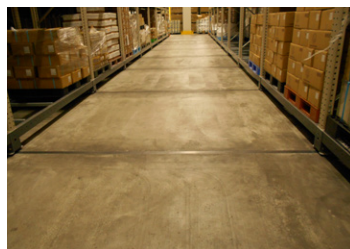
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Distribution
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Reinforcing Millions of Square Metres of Concrete Flooring

Real World Cost Comparison of BarChip FRC vs. Conventionally Reinforced Concrete Industrial Floor

Slab Area	10,000	m ²			
Concrete Strength	32	MPa			
Traditional Mesh Reinforced Concrete			BarChip Fibre Reinforced Concrete		
Slab Thickness	200	mm	Slab Thickness	200	mm
Volume	2,000	m ³	Volume	2,000	m ³
\$ / m ³ Concrete	220		\$ / m ³ Concrete	270	
Concrete Cost	440,000	\$	Concrete Cost	540,000	\$
\$ / m ² for Concrete	44	\$ / m ²	\$ / m ² for Concrete	54	\$ / m ²
Mesh / Chairs / Labour / Waste	29.5	\$ / m ²	Mesh / Chairs / Labour / Waste	0	\$ / m ²
Concrete Placement Labour	35	\$ / m ²	Concrete Placement Labour	28	\$ / m ²
Pump	7	\$ / m ²	Pump	7	\$ / m ²
Concrete & Mesh Cost per m ²	115.5	\$ / m ²	BarChip Fibre Reinforced Concrete Cost per m ²	89	\$ / m ²

Saving per m²	\$ 26.5
Total Saving on Project	\$ 265,000
Percentage Saving	23 %

How much could you save?

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BarChip Inc.

The Synthetic Fibre Experts

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

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