

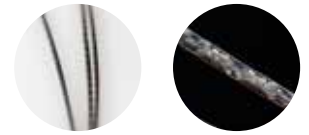
BarChip Macro Synthetic Fibre Reinforcement Conformity in World Markets



Region	Organisation	Standard / Code	Clause / Comment	Proof of Conformance
International	International Organisation for Standards	ISO 9001 Quality Management Systems		Certification
	RILEM	TC 162-TDF Test and design methods for SFRC		Conforms
	fib	fib Model Code 2010 - Final Draft		Conforms
	International Tunnelling Association	Independent testing by WG12 sprayed concrete committee 2007		Conforms
	ICC Evaluation Service	Acceptance Criteria For Concrete With Synthetic Fibres 2003		Conforms
	ITAttech	Guidance For Precast Fibre Reinforced Concrete Segments - Volume 1: Design Aspects.		Conforms
Europe	European Harmonised Standards	EN 14889-2:2006 Fibres for Concrete Part 2 Polymer fibres – Definitions Specification and Conformity		Conforms
	European Harmonised Standards	EN 14845-1:2007 Test Methods for Fibres in Concrete - Reference Concretes. EN 14845-2:2006 Test Methods for Fibres in Concrete - Effect on Concrete.		CE Certification
	European Harmonised Standards	EN 14487-1:2005 & EN 14487-2:2007 Sprayed Concrete		Conforms
	European Harmonised Standards	EN 14488-1 to EN 14488-7 Testing Sprayed Concrete		Conforms
	CE Certification	Polymer fibres for structural use in concrete, mortar and grout	BarChip 48, 54, MQ58, Shogun	Certification
	EFNARC	European suite of specifications for sprayed concrete		Conforms
	ERMCO Ready Mix Concrete	Guidance to Fibre Concrete. Properties, Specifications and Practice in Europe		Conforms
	Swedish Standards Institute	SS 812310:2014 Fibre Concrete - Design of Fibre Concrete Structures		Conforms
UK	Concrete Society	TR65 Guidance on the use of macro synthetic fibre reinforced concrete		Conforms
	Concrete Society	TR34 Concrete industrial ground floors - 4th edition		Conforms
	British Tunnelling Society	BTS Specification for Tunnelling Third Edition 2010	Clause 203.1	Conforms
	British Standards Institution	PAS 8810:2016 Tunnel design - design of concrete segmental tunnel linings - code of practice		Conforms

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Norway	Norwegian Concrete Association	Publication No 7:2011 Sprayed Concrete for Rock Support	Meets performance requirements	Conforms
	Norwegian Tunnelling Society	Publication No 17. Underground Openings - Operations, Maintenance and Repair 2008	Fibres are non-corrosive	Conforms
	Norwegian Geotechnical Institute	Using the Q-system - Rock mass classification and support design, 2015	Meets performance requirements	Conforms
Russia	NOSTROJ 2.27.125-2013	National Association of Builders Fibre Reinforced Concrete - Design Code for Construction of Transport Tunnels		Conforms
Poland	ITB Polish Technical Institute	Certification for use in structural applications		Conforms
Austria	Austrian Society for Concrete and Construction Technology	OVBB Guideline fibre reinforced concrete, 2008		Conforms
	Austrian Society for Concrete and Construction Technology	OVBB Guideline sprayed concrete, 2004		Conforms
	Austrian Society for Concrete and Construction Technology	OVBB Guideline inner shell concrete, 2006		Conforms
Singapore	LTA	MW/0/1 Materials and workmanship specification for civil and structural works	Clause 17.3.2.9	Conforms
Italy	National Research Council	CNR-DT 204/2006 Guide for the design and construction of fibre reinforced concrete structures		Conforms
Spain	Spanish Code on Structural Concrete	Instruccion de Hormigon Estructural (EHE-08)		Conforms
USA	ASTM	ASTM D7508/D7508M – 10 Standard Specification For Polyolefin Chopped Strands For Use In Concrete		Conforms
	ASTM	ASTM C1116/C1116M - 10a Standard Specification For Fiber-Reinforced Concrete	Clause 4.1.3 Type III Synthetic Fiber Reinforced Concrete	Type Conforms
	ASTM	ASTM C1399/C1399M - 10 Standard Test Method For Obtaining Average Residual Strength Of Fiber Reinforced Concrete		Conforms
	ASTM	ASTM C1609/C1609M - 10 Standard Test Method For Flexural Performance Of Fiber Reinforced Concrete (Using Beam With 3rd-Point Loading)		Conforms
	ASTM	ASTM C1550 - 12a Standard Test Method For Flexural Toughness Of Fiber Reinforced Concrete (Using Centrally Loaded Round Panel)		Conforms
	American Concrete Institute	ACI 360R-10 Guide To Design Of Slabs On Ground	Chapter 11.2 Synthetic Fiber Reinforcement	Conforms
	American Concrete Institute	ACI Committee 506 Fiber Reinforced Shotcrete		Conforms
	American Concrete Institute	ACI Committee 544 Fiber Reinforced Concrete		Conforms
	Maine Department of Transportation	Qualified Product Concrete and Bridge Items		Certificate
	Florida Department of Health	Qualified Product Sewage Treatment Concrete		Certificate
	National Concrete Burial Vault Association	Qualified Product for Precast Burial Elements		Certificate

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Chile	Chilean Cement and Concrete Institute	Chilean Guide of Projected Concrete - Shotcrete, 2nd Edition, 2017		Conforms
	Chilean Cement and Concrete Institute	Manual of Industrial Floor Design, 2017		Conforms
Australia	Australian Standard	AS 3996:2018 Access Covers and Grates		Conforms
	Concrete Institute of Australia	Recommended Practice - Shotcreting in Australia 2nd Edition, 2010	Meets conformity and performance specifications	Conforms
	Institute of Public Works Engineers Australia	Standard Drawings for Paving Works	Specification	Conforms
	Queensland Main Roads	Main Roads Project Specific Technical Standard Shotcrete Specification	Specification	Conforms
	Queensland Rail	Stone and Concrete Slope Protection Standard Specification	Specification	Conforms
	Brisbane City Council	Standard Drawings for Paving Works	Specification	Conforms
	Newcastle City Council	Standard Drawings for Paving Works	Specification	Conforms
Saudi Arabia	SGS	Certificate of conformity for commodities and products to be exported to the Kingdom of Saudi Arabia		Conforms
Japan	Japan Concrete Institute Standard	JCI S 001:2003 Method of test for fracture energy of concrete by use of notched beam		Conforms
	Japan Society of Civil Engineers	JSCE-SF4 Method of tests for flexural toughness of steel fibre reinforced concrete, Concrete Library International no.3, 1984, pg 58-61.		Conforms
	Japan Society of Civil Engineers	Standard specification for concrete structures, 2012 "materials and construction"	Clause 5.3.2	Conforms
	Japanese Industrial Standards	JIS A 6208:2015 Polypropylene Short Fibers for Concrete		Conforms
India	Tunnelling Association of India / Central Board of Irrigation and Power	Publication no.326 Guidelines for fibre reinforced shotcrete, 2015		Conforms
Nigeria	Standards Organisation of Nigeria	Certificate of Conformity		Conforms



Make The Change To A Better Reinforcement System

- Doesn't Corrode
- Saves Time & Money
- Improves Performance

BarChip Inc.

info@barchip.com

Australia: +61 1300 131 158

N. America: +1 704 843 8401

EMEA: +353 (0) 1 469 3197

Asia: +65 6835 7716

S. America: +56 2 2703 1563

Brazil: +55 19 3722 2199



BarChip Inc.
The Synthetic Fibre Experts

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

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