MASTER®
BUILDERS
SOLUTIONS

Admixture Product Performance Guide 2025

New Zealand

Inspiring People to Build Better

Tailor-Made Solutions for New Zealand's Concrete Industry

Master Builders Solutions has been a trusted name in New Zealand's building and construction sector for decades. Operating from our Albany office and production site, we proudly serve both the North and South Islands, delivering innovative solutions that inspire excellence in the industry.

Guided by our purpose, *"Inspiring People to Build Better,"* our dedicated local team is committed to driving innovation, quality, and sustainable development. Our carefully curated product portfolio includes everything from concrete admixtures to returned concrete recycling and steel alternative reinforcement, addressing the unique needs of New Zealand's construction industry.

By combining global research and development with a deep understanding of local building challenges, we deliver cutting-edge solutions that enhance customer success and support sustainable construction practices across the country.

Admixture Product Performance Guide

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Dose Rate	Water Reduction	Season Set Time	Workability	Slump Retention	Pumpability and Rheology	High Early Strength	Ultimate Strength	Drying Shrinkage Reduction	Concrete Durability	Features and Recommendations
LOW-RANGE WATER-REDUCING										
MasterPozzolith 400										
200 - 500mL/100kg CEM	5 - 10%	Y - N	•••••	•••	•••••	••	••••	•••	•••	Linear response. Lignosulphonate technology
MID-RANGE WATER-REDUCING										
MasterPolyheed 8840										
300 - 1200mL/100kg CEM	10 - 14%	Y - N	•••••	•••	••••	•••	••••	•••	••••	Excellent pumping and finishing
MasterPolyheed 8890										
300 - 800mL/100kg CEM	10 - 12%	Y - N	••••	•••••+	••••	•••	••••	•••	••••	Mid-range water reducer with slump retention
HIGH-RANGE WATER-REDUCING										
MasterGlenium SKY 8100										
300 - 800mL/100kg CEM	15 - 40%	Y - N	•••••	••••	••••	•••••+	•••••	••	•••••	For precast application. High early strength technology
MasterGlenium SKY 8703										
400ml to 1200ml per 100kg of CEM	10 - 14%	Y - N	•••••	•••••+	••••	•••	•••••	•••	•••••	Extended slump retention for shotcrete applications.
MasterGlenium 8379										
200 - 800mL/100kg CEM	15 - 40%	Y - N	•••••	•••	•••••	•••••	••••	••••	•••••	For RMX application

••••••+ Specifically Formulated for Application ••••• Excellent •••• Very Good ••• Good •• Fair • Not Recommended
Y All year **S** Summer **W** Winter **I** Improved **N** Neutral **D** Delayed **CEM** Cementitious Material **BWC** By Weight of Binder **NA** Not Applicable

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AIR ENTRAINING										
MasterAir 905										
40 - 400mL/m³	NA	Y - N	••••	NA	•••	NA	NA	NA	••••	Low solids/dilute
MasterCell 25										
1 Large Bag/m³	≤50%	Y - N	•••••	NA	••••	NA	NA	••	••••	Flowable fill admixture
SET-RETARDING AND HYDRATION CONTROL										
MasterSet RT 122										
100 - 300mL/100kg CEM	NA	S - D	••	•••	••	•	••	••	••••	Linear response
MasterRoc HCA 30										
0.2 - 2.0% BWC	NA	Y - D	NA	•••	••••	•	•••	•••	••••	Long-term hydration control DG/Non-DG
SET-ACCELERATING										
MasterSet AC 534										
300 - 1500mL/100kg CEM	NA	W - I	••	••	••	•••	••	••	••	Non-chloride
MasterSet AC 595										
Up to 4000mL/100kg CEM	NA	Y - I	••	••	••	••••	••	•	•	Chloride based

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VISCOSITY MODIFYING										
MasterMatrix 362										
150 - 1000mL/100kg CEM	NA	Y - N	•••	••	••••	••	•••	•••	•••	
WORKABILITY RETAINING										
MasterSure 1008										
150 - 350mL/100kg CEM	NA	Y - N	••••	•••••+	••••	•••	•••	•••	•••	Excellent slump retention performance
PUMP AID										
MasterMatrix 614										
200 - 1000mL/100kg CEM	NA	Y - N	•••••+	••	•••••+	••	••	••	••••	
SHRINKAGE REDUCING										
MasterLife SRA 200										
2000 - 6000mL/100kg CEM	NA	Y - D	•••	•••	••••	•	•	•••••+	•••••	
SILICA FUME AND CORROSION INHIBITORS										
MasterLife SF 100										
5 - 15% BWC	NA	Y - N	••	NA	•••••	•••••+	•••••+	•••	•••••+	Recommended for use with a High Range Water Reducer

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WATERPROOFING										
MasterLife 300D										
2% BWC	NA	Y - D	••	NA	•••	••	•••	••••	•••••+	Ready to use powdered crystalline waterproofer
RHEOLOGY ENHANCING										
MasterEase 3000										
200 - 600mL/100kg CEM	5 - 10%	Y - N	•••••	•••	•••••+	•••	••••	•••	•••••	Significantly improved T500 performance
EARLY STRENGTH-ENHANCING										
Master X-Seed 1500										
1000 - 2500mL/100kg CEM	NA	Y - I	••••	NA	••••	•••••+	•••••+	•••	••••	Strength boost between 6 and 16 hour curing
ANTI-WASHOUT										
MasterMatrix UW 440										
1.5 - 3.0kg/m³	NA	Y - N	•••	NA	••••	•••	•••	NA	••••	Specifically developed for underwater concrete
MASONRY COMPACTION AID										
MasterCast 602										
200 - 400mL/100kg CEM	5 - 10%	Y - N	••••	NA	NA	••••	••••	NA	•••••	Best suited for MCP application

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MASONRY ANTI EFFLORESCENCE										
MasterPel 305										
130 - 325mL/100kg CEM	NA	Y - N	•••	NA	NA	•••	•••	NA	••••	Efflorescence control for MCP production
STRUCTURAL AND NON-STRUCTURAL FIBRES										
MasterFiber M 018										
0.6kg/m³	NA	Y - N	•••	NA	•••	NA	NA	••	••••	8mm non-structural monofilament fibre
MasterFiber F 018										
0.9kg/m³	NA	Y - N	•••	NA	•••	NA	NA	•••	••••	18mm non-structural fibrillated fibre
MasterFiber 143										
4 - 6kg/m³	NA	Y - N	•••	NA	•••	NA	NA	•••••	•••••+	47mm structural fibre for precast/flooring
MasterFiber 141										
5 - 7kg/m³	NA	Y - N	••	NA	•••	NA	NA	•••••	•••••+	65mm structural fibre for shotcrete

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