

**MASTER<sup>®</sup>**  
**» BUILDERS**  
SOLUTIONS



— Admixture Product  
Performance Guide  
2023



# Admixture Product Performance Guide

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
<b>WATER-REDUCING</b>										
<b>MasterPozzolith 2020</b>										
250 - 400mL/100kg CEM	5 - 10%	Y - N	••••	••••	••••	••	••••	•••	•••	Linear response
<b>MasterPolyheed 8875</b>										
250 - 400mL/100kg CEM	5 - 10%	Y - N	••••	•••	••••	••	••••	••	•••	
<b>MID-RANGE WATER-REDUCING</b>										
<b>MasterPolyheed 8820</b>										
300 - 1200mL/100kg CEM	10 - 14%	Y - N	••••	••••+	••••	•••	••••	••••	••••	Superior slump retention
<b>MasterPolyheed 8830</b>										
300 - 800mL/100kg CEM	10 - 14%	Y - N	••••	•••	•••	••••	••••	••	•••	Superior finishing
<b>MasterPolyheed 8840</b>										
300 - 1200mL/100kg CEM	10 - 14%	Y - N	••••	••	••••	•••	••••	•••	••••	Excellent pumping and finishing
<b>MasterPolyheed 8960</b>										
300 - 1400mL/100kg CEM	10 - 14%	Y - N	••••	•••	••••+	•••	••••	••••	••••	Improved performance with man. sands and decreased mix times

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<b>HIGH-RANGE WATER-REDUCING</b>										
<b>MasterGlenium ACE 8710</b>										
600 - 1200mL/100kg CEM	15 - 40%	Y-I	••••	•••	••••	••••+	••••	••	••••	High early strength for Precast
<b>MasterGlenium ACE 35</b>										
600 - 1200mL/100kg CEM	15 - 40%	Y-I	••••	•••	••••	••••+	••••	••	••••	High early strength for Precast and SCM usage
<b>MasterGlenium SKY 8100</b>										
300 - 800mL/100kg CEM	15 - 40%	Y-N	••••	••••	••••	••••+	••••	••	••••	High early strength
<b>MasterGlenium SKY 8700</b>										
300 - 1000mL/100kg CEM	15 - 40%	Y-N	••••	••••+	••••	••••	••••	••••	••••	Superior slump retention
<b>MasterGlenium SKY 8708</b>										
350 - 700mL/100kg CEM	15 - 40%	Y-N	••••	••••+	••••	••••	••••	••••	••••	Superior slump retention, designed for shotcrete
<b>MasterGlenium SKY 8379</b>										
200 - 800mL/100kg CEM	15 - 40%	Y-N	••••	••••	••••	••••	••••	••••	••••	Improved concrete surface finish
<b>MasterGlenium SKY 8455</b>										
300 - 700mL/100kg CEM	15 - 40%	Y-D	••••	••••	••••	••••	••••	•••	••••	Moderate slump retention
<b>AIR-ENTRAINING</b>										
<b>MasterAir 905</b>										
40 - 400mL/m <sup>3</sup>	NA	Y-N	••••	NA	•••	•	••	••	•••	Low solids/dilute
<b>MasterAir 940</b>										
10 - 100mL/m <sup>3</sup>	NA	Y-N	••••	NA	•••	•	••	••	•••	

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<b>AIR-DETRAINING</b>										
<b>MasterFinish 790</b>										
15 - 300mL/100kg CEM	NA	Y - N	••	NA	•••	•••	••••	••••	••••	Improved concrete density and surface finish
<b>SET-RETARDING AND HYDRATION CONTROL</b>										
<b>MasterSet RT 122</b>										
100 - 300mL/100kg CEM	NA	S - D	••	•••	••	•	•	••	•••	
<b>MasterRoc HCA 20/30</b>										
0.2 - 2.0% BWC	NA	Y - D	NA	•••	••••	•	•••	•••	••••	Long-term hydration control DG/Non-DG
<b>MasterSet Delvo Easy</b>										
0.2 - 2.0% BWC	NA	Y - D	NA	•••	••••	•	•••	•••	••••	Ready-to-use powdered form
<b>SET-ACCELERATING</b>										
<b>MasterSet AC 102</b>										
Up to 4000mL/100kg CEM	NA	Y - I	••	••	••	••••	••	•	•	Chloride based
<b>MasterSet AC 534</b>										
300 - 1500mL/100kg CEM	NA	W - I	••	••	••	•••	••	••	••	Non-chloride
<b>MasterSet AC 800</b>										
300 - 1200mL/100kg CEM	5 - 10%	W - I	••••	•••	•••	•••	•••	••	•••	Non-chloride water-reducing

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<b>VISCOSITY MODIFYING</b>										
<b>MasterMatrix 220</b>										
0.5 - 1.5kg/m <sup>3</sup>	NA	Y-N	•••	••	••••	••	•••	•••	•••	
<b>MasterMatrix 362</b>										
150 - 1000mL/100kg CEM	NA	Y-N	•••	••	••••	••	•••	•••	•••	
<b>WORKABILITY RETAINING</b>										
<b>MasterSure 1008</b>										
150 - 350mL/100kg CEM	NA	Y-N	••••	••••+	••••	•••	•••	•••	•••	
<b>PUMP AID</b>										
<b>MasterMatrix 614</b>										
200 - 1000mL/100kg CEM	NA	Y-N	••••+	••	••••+	•	•	••	••••	
<b>SHRINKAGE REDUCING</b>										
<b>MasterLife SRA 200</b>										
2000 - 6000 kg/m <sup>3</sup>	NA	Y-D	•••	•••	••••	•	•	••••+	••••	
<b>SILICA FUME AND CORROSION INHIBITORS</b>										
<b>MasterLife 2006</b>										
0.65kg/m <sup>3</sup>	NA	Y-N	•••	NA	••	••	••	••	••••+	Ready-to-use powdered form
<b>MasterLife CI 30</b>										
10000 - 30000mL/m <sup>3</sup>	NA	Y-I	••	NA	••	•••	••	•	••••+	
<b>MasterLife SF 100</b>										
5 - 15% BWC	NA	Y-N	••	NA	••••	••••+	••••+	•••	••••+	Recommended for use with a High Range Water Reducer

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<b>WATERPROOFING</b>										
<b>MasterLife 300D</b>										
2% BWC	NA	Y-D	••	NA	•••	••	•••	••••	••••+	Ready to use powdered crystalline waterproofer
<b>LOW VISCOSITY CONCRETE</b>										
<b>MasterEase 3000</b>										
200 - 600mL/100kg CEM	5-10%	Y-N	••••	•••	••••+	•••	••••	•••	••••	
<b>STRENGTH-ENHANCING</b>										
<b>Master X-Seed I500</b>										
1000 - 2500mL/100kg CEM	NA	Y-I	••••	NA	••••	••••+	••••+	•••	••••	Improved CO <sub>2</sub> footprint
<b>ANTI-WASHOUT</b>										
<b>MasterMatrix UW 440</b>										
1.5 - 3.0kg/m <sup>3</sup>	NA	Y-N	•••	NA	••••	•••	•••	NA	••••	Specifically developed for underwater concrete
<b>NO-SLUMP CONCRETE PLASTICISER</b>										
<b>MasterCast I102</b>										
200 - 550mL/100kg CEM	NA	Y-N	••••	NA	NA	••••	••••	NA	••••	Best suited for MCP production

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<b>CLSM CONCRETE</b>										
<b>MasterCell 25</b>										
1 Large Bag/m <sup>3</sup>	≤50%	Y-N	••••	NA	••••	NA	NA	••	••	Flowable fill admixture
<b>HYDROPHOBIC CONCRETE</b>										
<b>MasterPel 240</b>										
130 - 325mL/100kg CEM	NA	Y-N	•••	NA	NA	•••	•••	NA	••••	Efflorescence control for MCP production
<b>STRUCTURAL AND NON-STRUCTURAL FIBRES</b>										
<b>MasterFiber M 018</b>										
0.6kg/m <sup>3</sup>	NA	Y-N	•••	NA	•••	NA	NA	••	••••	18mm non-structural monofilament fibre
<b>MasterFiber F 018</b>										
0.9kg/m <sup>3</sup>	NA	Y-N	•••	NA	•••	NA	NA	•••	••••	18mm non-structural fibrillated fibre
<b>MasterFiber 051</b>										
0.9kg/m <sup>3</sup>	NA	Y-N	•••	NA	•••	NA	NA	••••	•••••	51mm non-structural fibrillated fibre
<b>MasterFiber I43</b>										
4 - 6kg/m <sup>3</sup>	NA	Y-N	•••	NA	•••	NA	NA	•••••	•••••+	47mm structural fibre for precast/flooring
<b>MasterFiber I41</b>										
5 - 7kg/m <sup>3</sup>	NA	Y-N	••	NA	•••	NA	NA	•••••	•••••+	65mm structural fibre for shotcrete

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