APPROVED SOURCES
WATER REDUCING ADMIXTURES

CONCRETE PAVEMENT

BRAND NAME	PRODUCER/DISTRIBUTOR	RECOMMENDED MIN. DOSAGE mL/kg cementitious materials	RECOMMENDED MIN. DOSAGE fl. oz./100 lb. cementitious materials
	Normal Water Reducers		
#1920 Auger Aid	SPECCO Industries	5.2	8.0
Catexol 800 N	AXIM Concrete Technologies	2.0	3.0
Catexol 1000N	AXIM Concrete Technologies	1.0	1.5
Duraflux 33	AXIM Concrete Technologies	0.7	1.0
Eucon WR	Euclid Chemical Company	1.3	2.0
Eucon WR-75	Euclid Chemical Company Distributed by Brett Admixtures	2.0	3.0
Eucon WR-91	Euclid Chemical Company Distributed by Brett Admixtures	2.0	3.0
FinishEase NC	RussTech, Inc.	3.3	5.0
Glenium 3000 NS	BASF Construction Chemicals	2.6	4.0
Glenium 3030 NS	BASF Construction Chemicals	3.9	6.0
Glenium 3200 HES	BASF Construction Chemicals	1.3	2.0
LC-400	RussTech, Inc.	2.6	4.0
LC-400P	RussTech, Inc.	3.3	5.0
LC-500R	RussTech, Inc.	2.0	3.0
Master Pave	BASF Construction Chemicals	3.3	5.0
Master Pave^{+}	BASF Construction Chemicals	2.6	4.0

CONCRETE PAVEMENT (Continued)

BRAND NAME	PRODUCER/DISTRIBUTOR	RECOMMENDED MIN. DOSAGE mL/kg cementitious materials	RECOMMENDED MIN. DOSAGE fl. oz./100 lb. cementitious materials
	Normal Water Reducers (Continued)		
Master Pave N	BASF Construction Chemicals	1.3	2.0
Master Pave RI	BASF Construction Chemicals	1.3	2.0
NCA	Fritz-Pak Corporation	1% by weight of cement*	
Pavex	AXIM Concrete Technologies	1.3	2.0
Plastocrete 161	Sika Corporation Dist. by Contractors Steel Corp.	1.3	2.0
Plastocrete 169	Sika Corporation	2.6	4.0
Polychem 1000	General Resource Tech.	2.0	3.0
Polychem 400 NC	General Resource Tech.	2.0	3.0
Polychem KB-1000	General Resource Tech.	2.0	3.0
Polychem Paver Plus	General Resource Tech.	1.3	2.0
Pozzolith 80	BASF Construction Chemicals	2.0	3.0
Pozzolith 200	BASF Construction Chemicals	2.0	3.0
Pozzolith 220N	BASF Construction Chemicals	2.0	3.0
Pozzolith 322 N	BASF Construction Chemicals	1.6	2.5
PS 1466	BASF Construction Chemicals	1.3	2.0
Sikament 686	Sika Corporation	2.0	3.0
WRDA-82	W.R. Grace & Company	2.3	3.5
WRDA with Hycol	W.R. Grace & Company	2.0	3.0

*Dry powdered admixture pre-packed in water-soluble bag.

CONCRETE PAVEMENT (Continued)

BRAND NAME	PRODUCER/DISTRIBUTOR	RECOMMENDED MIN. DOSAGE* mL/kg cementitious materials	RECOMMENDED MIN. DOSAGE* fl. oz./100 lb. cementitious materials
Mid-range Water Reducers			
Based on manufacturer's recommendation, mid-range water reducers may also be used as normal water reducer at different rate.			
CATEXOL 3000GP	Axim Concrete Technologies	1.3	2.0
CATEXOL 3500N	Axim Concrete Technologies	2.0	3.0
Catexol Hydrosense	Axim Concrete Technologies	1.3	2.0
Daracem-65	W.R. Grace & Company	2.0	3.0
Duralflux 77	Axim concrete Technologies	0.7	1.0
Eucon MR	Euclid Chemical Company Distributed by Brett Admixtures	4.6	7.0
MIRA 62	W.R. Grace & Company	2.6	4.0
Polyheed 900	BASF Construction Chemicals.	2.0	3.0
Polyheed 997	BASF Construction Chemicals	2.0	3.0
Polyheed 1020	BASF Construction Chemicals	2.0	3.0
Polyheed 1025	BASF Construction Chemicals	2.0	3.0
Polyheed 1720	BASF Construction Chemicals	2.0	3.0
Polyheed 1725	BASF Construction Chemicals	2.0	3.0
Polychem KB-1000	General Resource Technologies	2.0	3.0
Sikaplast 500	Sika Corporation	2.0	3.0

*Rates above are for concrete pavement. When higher slump is required for other work, such as patching, HPC overlays, and other structural applications, rates shall be adjusted per manufacturer's recomendation.

MID-RANGE WATER REDUCERS FOR
BRIDGE FLOOR REPAIR, OVERLAY (Class HPC-O), & RESURFACING

		RECOMMENDED MIN. DOSAGE	
BRAND NAME	**PRODUCER/DISTRIBUTOR**	**mL/kg cementitious materials**	**fl. oz./100 lb. cementitious materials**
CATEXOL 3000GP	AXIM Concrete Technologies	1.3	2.0
Polyhead 1020	BASF Construction Chemicals	2.0	3.0
Polyhead 1025	BASF Construction Chemicals	2.0	3.0
Eucon MR	Euclid Chemical Company Distributed by Brett Admixtures	4.6	7.0

***NOTE:** When concrete mobile mixer is used for bridge deck overlay, use same dosage rate per sack of cement.

For the HPC-O application, a water reducing and retarding admixture, or a combination of water reducer and retarder, may be used with approval of the Engineer.