

MATERIAL REQUIREMENTS TABLE - APPENDIX B

READY-MIX CONCRETE

NAME OF MIX	USES	FINE AGGREGATE	COURSE AGGREGATE	CEMENT - SACKS	3-FLEXURAL	7-COMPRESSIVE	28-DAY COMPRESSIVE	SLUMP	AIR ENTRAINMENT	OPTIONAL EXTRAS
MDOT P-NC - A/E	PAVEMENT, PAVEMENT BASE, DRIVEWAY APPROACHES, BRIDGE DECKS, FLATWORK, COLD WEATHER APPLICATIONS	2NS	6AA LIMESTONE	7 SACK	550 PSI	3000 PSI	3500 PSI	3" TO 6"	6.75% +/- 1.25%	COLOR NON-CHLORIDE ACCELERATOR - ASTM C-494 - MAX 2% MID-RANGE WATER REDUCER - ASTM C-494 Xypex C-500 - 13.5 Lb/Yd
MDOT P1 - A/E	CURB, GUTTER, SIDEWALK, LIGHT DUTY PAVEMENT, LIGHT DUTY PAVEMENT BASE, WARM WEATHER APPLICATIONS	2NS	6AA LIMESTONE	6 SACK	-	2600 PSI	3500 PSI	3" TO 6"	6.75% +/- 1.25%	COLOR, NON-CHLORIDE ACCELERATOR - ASTM C-494 - MAX 2%, MID-RANGE WATER REDUCER - ASTM C-494, Xypex C-500 - 13.5 Lb/Yd
MDOT P2 - A/E	RESIDENTIAL SIDEWALK, LIGHT DUTY APPLICATIONS	2NS	6A STONE	5 SACK	-	2200 PSI	3000 PSI	3" TO 6"	6.75% +/- 1.25%	COLOR
MDOT D - A/E	STRUCTURAL, RETAINING WALLS, TANKS, FOUNDATIONS, POLE BASES, FOOTINGS	2NS	6AA LIMESTONE	7 SACK	-	3500 psi	4500 psi	3" TO 6"	6.75% +/- 1.25%	MID-RANGE WATER REDUCER - ASTM C-494 RETARDER - ASTM C-494 (TYPE D) Xypex C-500 - 13.5 Lb/Yd

All Concrete Mix Designs Shall Be in Accordance with the 2012 MDOT Standard Specifications for Construction

All Cement Shall Be In Accordance with ASTM C-150 Type I or Type I/II

All Aggregate Shall Be In Accordance with MDOT Gradation Requirements

OTHER PRODUCTS	DELIVERY METHOD	UNITS
6AA LIMESTONE	DRY, BULK, DUMP TRUCK	TONS
6AA LIMESTONE	FLUIDIZED, WET, CONCRETE TRUCK	CUBIC YDS
6A STONE	FLUIDIZED, WET, CONCRETE TRUCK	CUBIC YDS
MDOT Flowsand	CONCRETE TRUCK, CONTAINS CEMENT, 150 PSI MAX	CUBIC YDS