



**City of Mesa
Engineering Department
Materials Lab**

2023 & 2024

Approved Concrete Mix Designs

Arizona Metro Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI	3-5"	401110		01/02/23
MAG AA 4000 PSI w/Air	3-5"	401110A		01/02/23
MAG AA 4000 PSI Flowable	6-8"	401120		01/02/23
MAG AA 4000 PSI Flowable w/Air	5-8"	401120A		01/02/23
MAG AA 4000 PSI Machine	1-3"	401130		01/02/23
MAG A 3000 PSI	3-5"	301111		01/02/23
MAG A 3000 PSI Flowable	5-8"	301121		01/02/23
MAG A 3000 PSI Machine	1-3"	301131		01/02/23
MAG B 2500 PSI Machine	1-3"	251132		01/02/23
MAG B 2500 PSI Flowable	6-8"	251122		01/02/23
MAG B 2500 PSI	3-5"	251112		01/02/23
MAG C 2000 PSI	3-5"	201113		01/02/23

Approved Plants:

- East Plant 1 39360 N. Schnepf Road, Queen Creek, AZ 85242
- West Plant 2 21209 W. Beloit Road, Buckeye, AZ 85326
- North Plant 3 27126 N. 107th Avenue, Peoria, AZ 85383



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CalPortland

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI Machine	0-3"	P4025MAA	P4015MAA	01/20/23
MAG AA 4000 PSI Flowable	5-8"	P4025AAF	P4015AAF	01/20/23
MAG AA 4000 PSI	3-5"	P4025AA1	P4015AA1	01/20/23
MAG AA 4000 PSI w/Air Flowable	5-8"	P4025AF5		01/20/23
MAG AA 4000 PSI w/Air	3-5"	P4025AA5		01/20/23
MAG AA 4000 PSI NPozz Flowable*	5-8"		P40N5AAF*	01/17/23
MAG AA 4000 PSI NPozz*	3-5"		P40N5AA1*	01/17/23
MAG A 3000 PSI	3-5"	P3025A01	P3015A01	01/20/23
MAG A 3000 PSI Flowable	5-8"	P3025AF1	P3015AF1	01/20/23
MAG A 3000 PSI Machine	0-3"	P3025MA1		01/20/23
MAG A 3000 PSI NPozz Flowable*	5-7"		P30N5AF1*	01/17/23
MAG A 3000 PSI NPozz*	3-5"		P30N5A01*	01/17/23
MAG B 2500 PSI	3-5"	P2525B01	P2515B01	01/20/23
MAG B 2500 PSI Machine	0-3"	P2525MB1		01/20/23
MAG B 2500 PSI Flowable	5-8"	P2525BF1	P2515BF1	01/20/23
MAG B 2500 PSI NPozz Flowable*	5-7"		P25N5BF1*	01/17/23
MAG B 2500 PSI NPozz*	3-5"		P25N5B01*	01/17/23
MAG C 2000 PSI	3-5"	P2025C01	P2015C01	01/20/23

* Indicates presence of natural pozzolans

Approved Plants:

- Plant# 130 7845 West Broadway Road, Phoenix, AZ 85043
- Plant# 135 15540 N. Kentworthy Road, Coolidge, AZ 85128
- Plant# 137 2425 W. Power Line Road, Maricopa, AZ 85239
- Plant# 147 4830 South 43rd Avenue, Phoenix, AZ 85041
- Plant# 149 14621 N. 115th Avenue El Mirage, AZ 85335
- Plant# 150 Beardsley - 11500 W. Beardsley Road, Sun City, AZ 85373
- Plant# 151 Red Mountain - 3664 North Higley Road, Mesa, AZ 85215
- Plant# 152 Queen Creek - 39401 N. Schnepf Road, San Tan Valley, AZ 85140
- Plant# 154 Higley - 3410 North Higley Road, Mesa, AZ 85215
- Plant# 155 Fountain Hills - 13106 N. Hiawatha Hood Road, Fort McDowell, AZ 85264
- Plant# 159 Queen Creek - 39401 N. Schnepf Road, San Tan Valley, AZ 85140
- Plant# 160 Buckeye - 31805 W. Southern Ave, Buckeye, AZ 85326
- Plant# 161 New River - 39333 N. New River Road, Phoenix, AZ 85085



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Cemex

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI Standard	3-5"		1377687	02/24/23
MAG AA 4000 PSI Ash Standard	3-5"	1556313		02/24/23
MAG AA 4000 PSI Ash Flowable	5-8"	1556315		02/24/23
MAG AA 4000 PSI Air 25% Ash Curb STD	1-3"	1555658		02/24/23
MAG AA 4000 PSI Flowable Standard	5-8"		1377688	02/24/23
MAG A 3000 PSI Standard	3-5"		1385442	02/24/23
MAG A 3000 PSI Ash Standard	3-5"	1555049		02/24/23
MAG A 3000 PSI Ash Flow Standard	5-8"	1555050		02/24/23
MAG A 3000 PSI Air 25% Ash CurbM STD	1-3"	1555657		02/24/23
MAG A 3000 PSI Flowable Standard	5-8"		1341247	02/24/23
MAG B 2500 PSI Ash Standard	3-5"	1554955	1332339	02/24/23
MAG B 2500 PSI Ash Flowable	5-8"	1555047		02/24/23
MAG B 2500 PSI Air 25% Ash CurbM STD	1-3"	1555656		02/24/23
MAG C 2000 PSI 25% Ash Flowable	5-8"	1555627		02/24/23
MAG C 2000 PSI 25% Ash Standard	3-5"	1555624		02/24/23

Approved Plants:

- Plant #1953A/B 23210 N. 7th Street, Phoenix, AZ 85024
- Plant #1956A/B 3640 South 19th Avenue, Phoenix, AZ 85009
- Plant #1959 3666 N. Higley Road, Mesa, AZ 85215
- Plant #1960A/B NE Intersection of Maricopa Road & Gila River, Maricopa, AZ 85139
- Plant #4100 2956 W. Baseline Avenue, Apache Junction, AZ 85326 - New Plant
- Plant #4101 22625 W. Beloat, Buckeye, AZ 85326
- Plant #4106 24004 N. 107th Avenue, Sun City, AZ 85373
- Plant #4108A/B 11701 W. Indian School Road, Avondale, AZ 85392
- Plant #4112 2126 N. Tanner Road, Sacaton, AZ 85147



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CORE Ready Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI	2-6"	4025AA1P		02/20/23
MAG AA 4000 PSI Machine Mix	0-4"	402MAA1P		02/20/23
MAG AA 4000 PSI Flowable	5-7"		4015AAFP*	02/20/23
MAG AA 4000 PSI	2-6"		4015AA1P	02/20/23
MAG AA 4000 PSI Machine	0-4"		401MAA1P	02/20/23
MAG A 3000 PSI	2-6"	3025A01P		02/20/23
MAG A 3000 PSI Machine Mix	0-4"	3025MA1P		02/20/23
MAG A 3000 PSI Flowable	5-7"	3025AF1P		02/20/23
MAG A 3000 PSI Flowable	5-7"		3015AF1P	02/20/23
MAG A 3000 PSI	2-6"		3015A01P	02/20/23
MAG B 2500 PSI	2-6"	2525B01P		02/20/23
MAG B 2500 PSI Machine Mix	0-4"	2525BM1P		02/20/23
MAG B 2500 PSI Machine Mix	0-4"		2515MB1P	02/20/23
MAG B 2500 PSI	2-6"		2515B01P	02/20/23
MAG C 2000 PSI	2-6"	2025C01P		02/20/23
MAG C 2000 PSI	3-6"		2015C01P	02/20/23

* Indicates mix only approved for Plant #2

Approved Plants:

Plant #2 27212 N. 107th Avenue, Peoria AZ.

Plant #3 8050 S. Jackrabbit Trail, Buckeye, AZ



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Desert Ready Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI w/Ash	3-5"	A204001		12/01/22
MAG AA 4000 PSI w/Ash Machine Mix	1-3"	A204002		12/01/22
MAG AA 4000 PSI w/Ash Exposed	3-5"	A204031		12/01/22
MAG AA 4000 PSI w/Ash Flowable	5-7"	F204011		12/01/22
MAG AA 4000 PSI Flowable	5-7"		F204010	12/01/22
MAG AA 4000 PSI	3-5"		A204000	12/01/22
MAG A 3000 PSI w/Ash	3-5"	A203001		12/01/22
MAG A 3000 PSI w/Ash Machine Mix	1-3"	A203002		12/01/22
MAG A 3000 PSI w/Ash Exposed	3-5"	A203031		12/01/22
MAG A 3000 PSI w/Ash Flowable	5-7"	F203011		12/01/22
MAG A 3000 PSI Flowable	5-7"		F203010	12/01/22
MAG A 3000 PSI	3-5"		A203000	12/01/22
MAG B 2500 PSI w/Ash	3-5"	A202501		12/01/22
MAG B 2500 PSI w/Ash Machine Mix	1-3"	A202502		12/01/22
MAG B 2500 PSI w/Ash Flowable	5-7"	F202511		12/01/22
MAG B 2500 PSI Flowable	5-7"		F202510	12/01/22
MAG B 2500 PSI	3-5"		A202500	12/01/22
MAG C 2000 PSI Flowable	5-7"	F202011		12/01/22
MAG C 2000 PSI w/Ash	3-5"	A202001		12/01/22
MAG C 2000 PSI Flowable	5-7"		F202010	12/01/22
MAG C 2000 PSI	3-5"		A202000	12/01/22

Approved Plants:

- Plant #5 5401 N. 119th Avenue, Litchfield Park, AZ 85340
- Plant #10 1800 N. Alma School Road, Mesa, AZ 85201
- Plant #11 17705 West Southern Avenue, Goodyear, AZ 85338
- Plant #14 AZ Highway 347 MM187, Bapchule, AZ 85338
- Plant #16 395353 N. Schnepf Road, San Tan Valley, AZ 85140



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Rock Solid

The following Mix Designs have been approved by the City of Phoenix Materials Lab and adapted by the City of Mesa Materials Lab for use within the City of Mesa:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI w/ Ash Machine	1-3"	A4046		2023/2024
MAG AA 4000 PSI w/ Ash Flowable	6-8"	A4040P		2023/2024
MAG AA 4000 PSI	3-5"		A4041	2023/2024
MAG AA 4000 PSI w/ Ash	3-5"	A4040		2023/2024
MAG A 3000 PSI w/ Ash Machine	1-3"	A3046		2023/2024
MAG A 3000 PSI w/ Ash Flowable	6-8"	A3040P		2023/2024
MAG A 3000 PSI	3-5"		A3041	2023/2024
MAG A 3000 PSI w/ Ash	3-5"	A3040		2023/2024
MAG B 2500 PSI w/ Ash Machine	1-3"	A2546		2023/2024
MAG B 2500 PSI w/ Ash Flowable	6-8"	A2540P		2023/2024
MAG B 2500 PSI	3-5"		A2541	2023/2024
MAG B 2500 PSI w/ Ash	3-5"	A2540		2023/2024
MAG C 2000 PSI	3-5"	A2040		2023/2024

Approved Plants:

- Plant #1 6741 W Rock Solid Way Chandler, AZ 85226
- Plant #2 17705 W. Southern Avenue, Goodyear AZ 85338
- Plant #3 North 6501 W. Aqua Fria Shore, Glendale, AZ 85307
- Plant #3 South 6501 W. Aqua Fria Shore, Glendale, AZ 85307
- Plant #5 3666 N Higley Road, Mesa, AZ 85215
- Plant #6 6204 W Southern Avenue, Laveen, AZ 85339
- Plant #8 7101 S. Ironwood Drive, Apache Junction, AZ 85120 (New Plant, Needs Inspection)
- Plant #10 6741 W Rock Solid Way, Chandler, AZ 85226