



**City of Phoenix
Programming and Project Delivery Division
Materials Lab**

2019 Approved Concrete Mix Designs

Arizona Materials

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI 1"agg. Flowable	5-7"	14054		1/16/2019
MAG AA 4000 PSI 1"agg.	3-5"	14004	14005	1/16/2019
MAG A 3000 PSI 1"agg. Flowable	6-8"	13054		1/16/2019
MAG A 3000 PSI 1"agg.	3-5"	13004	13005	1/16/2019
MAG A 3000 PSI 1"agg. CIPP	0-2"	13008		1/16/2019
MAG B 2500 PSI 1"agg.	3-5"	12504	12505	1/16/2019
MAG B 2500 PSI 1"agg. Curb Machine Mix	0.5-2.5"	12506		1/16/2019
MAG C 2000 PSI 1"agg.	3-5"	12004		1/16/2019
Product	Flow	Fly Ash	No Fly Ash	Design Date
1/2 Sack ABC Slurry	7-11"		PHCLSM	1/16/2019
1.0 Sack ABC Slurry	7-11"		PHCLSM1	1/16/2019
1.5 Sack ABC Slurry	5-9"		PHCLSM1.5	1/16/2019

Approved Plants:

Plant# 1 3636 South 43rd Avenue Phoenix, Arizona 85009
Plant# 3 21838 North 20th Street Phoenix, Arizona 85027-2030
Plant# 7 6225 N. El Mirage Rd. Glendale, Arizona 85307
Plant#12 1900 N. Longmore Rd. Mesa, Arizona

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Arizona Metro Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI 1"	3-5"	401110		1/24/2019
MAG AA 4000 PSI 1" w/Air	3-5"	401110A		1/24/2019
MAG AA 4000 PSI 1" Flowable	5-8"	401120		1/24/2019
MAG AA 4000 PSI 1" Flowable w/Air	5-8"	401120A		1/24/2019
MAG AA 4000 PSI 1" Machine	1-3"	401130		1/24/2019
MAG A 3000 PSI 1"	3-5"	301111		1/24/2019
MAG A 3000 PSI 1" Flowable	5-8"	301121		1/24/2019
MAG A 3000 PSI 1" Machine	1-3"	301131		1/24/2019
MAG B 2500 PSI 1" Machine	1-3"	251132		1/24/2019
MAG B 2500 PSI 1" Flowable	6-8"	251122		1/24/2019
MAG B 2500 PSI	3-5"	251112		1/24/2019
MAG C 2000 PSI	3-5"	201113		1/24/2019
Product	Flow	Fly Ash	No Fly Ash	Design Date
MAG 1.5 Sack ABC Slurry	7-11"		PHCLSM1 1/2	1/24/2019
MAG 1 Sack Slurry	7-11"		PHCLSM 1	1/24/2019
MAG 0.5 Sack ABC Slurry	7-11"		PHCLSM 1/2	1/24/2019

Approved Plants:

East Plant 39360 N. Schnepf Rd. Queen Creek, Az. 85242

Central Plant 4001 S. 15th Avenue Phoenix, Az. 85041

West Plant 6400 S. El Mirage Road Tolleson, Az. 85353

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CalPortland

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI Machine	0-3"	P4025MAA	P4015MAA	1/14/2019
MAG AA 4000 PSI Flowable	6-8"	P4025AAF	P4015AAF	1/14/2019
MAG AA 4000 PSI	3-5"	P4025AA1	P4015AA1	1/14/2019
MAG AA 4000 PSI w/Air Flowable	6-8"	P4025AF5		1/14/2019
MAG AA 4000 PSI w/Air	3-5"	P4025AA5		1/14/2019
MAG A 3000 PSI	3-5"	P3025A01	P3015A01	1/14/2019
MAG A 3000 PSI Flowable	6-8"	P3025AF1	P3015AF1	1/14/2019
MAG A 3000 PSI Machine	0-3"	P3025MA1		1/14/2019
MAG B 2500 PSI	3-5"	P2525B01	P2515B01	1/14/2019
MAG B 2500 PSI Machine	0-3"	P2525MB1		1/14/2019
MAG B 2500 PSI Flowable	6-8"	P2525BF1	P2515BF1	1/14/2019
MAG C 2000 PSI	3-5"	P2025C01	P2015C01	1/14/2019
Product	Flow	Fly Ash	No Fly Ash	Design Date
MAG 2.0 Sack ABC Slurry	5-7"		PHCLSM2(S20157S1)	1/14/2019
MAG 1.5 Sack ABC Slurry	5-7"		PHCLSM1.5(S15157S1)	1/14/2019
MAG 1 Sack ABC Slurry	5-7"		PHCLSM1(S10157S1)	1/14/2019
MAG 1/2 Sack ABC Slurry PHCLSM1/2	5-7"		PHCLSM 1/2	1/14/2019

Approved Plants:

- Plant# 130 West Broadway 7845 West Broadway Rd. Phoenix, Az. 85043
- Plant# 135 15931 N. Christensen Rd. Coolidge, Az.
- Plant# 137 2425 W. Power Line Rd. Maricopa, Az.
- Plant# 147 4830 South 43rd Avenue Phoenix, Az.
- Plant# 150 Beardsley 11500 W. Beardsley Rd. Sun City, Az. 85373
- Plant# 151 Red Mountain 3664 North Higley Rd. Mesa, Az.
- Plant# 152 San Tan 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# 158 Glendale 6500 Agua Fria Shore Glendale, Az. 85037
- 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 Rd. Phoenix, Az. 85085
- Plant# MIAR Sky Harbor Airport 1798 E. Elwood St. Phoenix Az. 85040

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2019 Approved Concrete Mix Designs

Cemex

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI Standard	3-5"		1377687	1/24/2019
MAG AA 4000 PSI 25% Ash Standard	3-5"	1556313		1/24/2019
MAG AA 4000 PSI 25% Ash Flowable	5-8"	1556315		1/24/2019
MAG AA 4000 PSI Air 25% Ash Curb STD	1-3"	1555658		1/24/2019
MAG AA 4000 PSI Flowable Standard	5-8"		1377688	1/24/2019
MAG A 3000 PSI Standard	3-5"		1385442	1/24/2019
MAG A 3000 PSI 25% Ash Standard	3-5"	1555049		1/24/2019
MAG A 3000 PSI 25% Ash Flow Standard	5-8"	1555050		1/24/2019
MAG A 3000 PSI Air 25% Ash CurbM STD	1-3"	1555657		1/24/2019
MAG A 3000 PSI Flowable Standard	5-8"		1341247	1/24/2019
MAG B 2500 PSI 25% Ash Standard	3-5"	1554955		1/24/2019
MAG B 2500 PSI 25% Ash Flowable	5-8"	1555047		1/24/2019
MAG B 2500 PSI Air 25% Ash CurbM STD	1-3"	1555656		1/24/2019
MAG C 2000 PSI 25% Ash Flowable	5-8"	1555627		1/24/2019
MAG C 2000 PSI 25% Ash Standard	3-5"	1555624		1/24/2019
Product	Flow	Fly Ash	No Fly Ash	Design Date
MAG Sec728 0.5 Sack	6-9"		PHCLSM0.5 (1332797)	1/24/2019
MAG Sec728 1.0 Sack	6-8"		PHCLSM1 (1332774)	1/24/2019
MAG Sec728 1.5 Sack	6-8"		PHCLSM1.5 (1332772)	1/24/2019

Approved Plants:

- Plant# 1953 23210 N. 7th St., Phoenix
- Plant# 1956 3640 South 19th Ave., Phoenix
- Plant# 4101 22625 W. Beloat, Buckeye
- Plant# 4106 24004 N. 107th Ave, Sun City, Az. 85373
- Plant# 4108 11701 W. Indian School Rd. Avondale, Az.

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2019 Approved Concrete Mix Designs

CORE Ready Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI w/Ash	3-5"	4025AA1P		1/15/2019
MAG AA 4000 PSI w/Ash Machine Mix	1-3"	402MAA1P		1/15/2019
MAG AA 4000 PSI w/Ash Flowable	5-7"	4025AAFP		1/15/2019
MAG AA 4000 PSI Flowable	5-7"		4015AAFP	1/15/2019
MAG AA 4000 PSI	3-5"		4015AA1P	1/15/2019
MAG AA 4000 PSI Machine	1-3"		401MAA1P	1/15/2019
MAG A 3000 PSI w/Ash	3-5"	3025A01P		1/15/2019
MAG A 3000 PSI w/Ash Machine Mix	1-3"	3025MA1P		1/15/2019
MAG A 3000 PSI w/Ash Flowable	5-7"	3025AF1P		1/15/2019
MAG A 3000 PSI Flowable	5-7"		3015AF1P	1/15/2019
MAG A 3000 PSI Machine	1-3"		3015MA1P	1/15/2019
MAG A 3000 PSI	3-5"		3015A01P	1/15/2019
MAG B 2500 PSI w/Ash	3-5"	2525B01P		1/15/2019
MAG B 2500 PSI w/Ash Machine Mix	1-3"	2525BM1P		1/15/2019
MAG B 2500 PSI Machine Mix	1-3"		2515MB1P	1/15/2019
MAG B 2500 PSI	3-5"		2515B01P	1/15/2019
MAG C 2000 PSI w/Ash	3-5"	2025C01P		1/15/2019
MAG C 2000 PSI	3-5"		2015C01P	1/15/2019
Product	Flow	Fly Ash	No Fly Ash	Design Date
MAG 2.0 Sack ABC Slurry	5-7"		2015700S	1/15/2019
MAG 1.5 sack ABC Slurry	5-7"		PHCLSM1 1/2(1515700S)	1/15/2019
MAG 1.0 Sack ABC Slurry	5-7"		PHCSLM1(1015700S)	1/15/2019
MAG 0.5 Sack ABC Slurry	5-7"		PHCSLM 1/2	1/15/2019

Approved Plants:

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

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2019 Approved Concrete Mix Designs

Desert Ready Mix

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Products	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI w/Ash	3-5"	A204001		1/30/2019
MAG AA 4000 PSI w/Ash Machine Mix	1-3"	A204002		1/30/2019
MAG AA 4000 PSI w/Ash Flowable	5-7"	F204011		1/30/2019
MAG AA 4000 PSI Flowable	5-7"		F204010	1/30/2019
MAG AA 4000 PSI	3-5"		A204000	1/30/2019
MAG A 3000 PSI w/Ash	3-5"	A203001		1/30/2019
MAG A 3000 PSI w/Ash Machine Mix	1-3"	A203002		1/30/2019
MAG A 3000 PSI w/Ash Flowable	5-7"	F203011		1/30/2019
MAG A 3000 PSI Flowable	5-7"		F203010	1/30/2019
MAG A 3000 PSI	3-5"		A203000	1/30/2019
MAG B 2500 PSI w/Ash	3-5"	A202501		1/30/2019
MAG B 2500 PSI w/Ash Machine Mix	1-3"	A202502		1/30/2019
MAG B 2500 PSI w/Ash Flowable	5-7"	F202511		1/30/2019
MAG B 2500 PSI Flowable	5-7"		F202510	1/30/2019
MAG B 2500 PSI	3-5"		A202500	1/30/2019
MAG C 2000 PSI Flowable	5-7"	F202011		1/30/2019
MAG C 2000 PSI w/Ash	3-5"	A202001		1/30/2019
MAG C 2000 PSI Flowable	5-7"		F202010	1/30/2019
MAG C 2000 PSI	3-5"		A202000	1/30/2019
Products	Flow	Fly Ash	No Fly Ash	Design Date
MAG 1.5 Sack ABC Slurry	6-8"		PHCLSM1.5	1/30/2019
MAG 1.0 Sack ABC Slurry	6-8"		PHCLSM1	1/30/2019
MAG 0.5 Sack ABC Slurry	6-8"		PHCLSM.5	1/30/2019

Approved Plants:

- Plant# 5 5401 N. 119th Ave. Glendale, Az. 85307
- Plant# 10 1800 N. Alma School Rd. Mesa, Az. 85201
- Plant# 12 2802 S. 7th Ave Phoenix, AZ 85007
- Plant# 14 2425 N. Maricopa Road, Maricopa, Az
- Plant# 15 6400 N. Agua Fria Shore Dr. Glendale, Az. 85037

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2019 Approved Concrete Mix Designs

Diamondback Materials

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI Curb Machine	4-6"	14006		12/19/2018
MAG AA 4000 PSI	4-6"	14004		12/19/2018
MAG A 3000 PSI Curb Machine	4-6"	13006		12/19/2018
MAG A 3000 PSI	4-6"	13004		12/19/2018
MAG B 2500 PSI Curb Machine	4-6"	12506		12/19/2018
MAG B 2500 PSI	4-6"	12504		12/19/2018
MAG C 2000 PSI	4-6"	12004		12/19/2018
1/2 Sack ABC PHCLSM			PHCLSM1/2	12/19/2018
1.0 Sack ABC CLSM			PHCLSM1	12/19/2018
1.5 Sack ABC SLURRY			PHCLSM1.5	12/19/2018

Approved Plants:

Plant# 17 6400 S. 123rd Avenue Avondale, Az.

Plant# 18 6400 S. 123rd Avenue Avondale, Az.

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2019 Approved Concrete Mix Designs

Hanson

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Product	Slump	Fly Ash	No Fly Ash	Slump	Design Date
MAG AA 4000 PSI 1" w/MR	4-7"	2403144	2403104	4.5-7.5"	12/10/2018
MAG AA 4000 PSI	2-5"	2403141	2403101	2-5"	12/10/2018
MAG AA 1" Machine w/AEA	0-3"	2404122			12/10/2018
MAG A 3000 PSI 1" w/MR	4.5-7.5"	2303144	2303104	4-7"	12/10/2018
MAG A 3000 PSI 1"	2-5"	2303141	2303101	2-5"	12/10/2018
MAG A 3000 PSI 1" Machine w/AEA Only	0-3"	2304122			12/10/2018
MAG B 2500 PSI 1"	3-5"	2253131	2253101	2-5"	12/10/2018
MAG B 2500 PSI 1" w/MR	4-7"	2253134	2253104	5-8"	12/10/2018
MAG B 2500 PSI 1" Machine w/AEA	0-3"	2254122			12/10/2018
MAG C 2000 PSI 1"	2-5"	2203131			12/10/2018
MAG C 2000 PSI 1" w/MR	4-7"	2203134			12/10/2018
					12/10/2018
Product	Flow	Fly Ash	No Fly Ash		Design Date
1.5 Sack ABC Slurry PHCLSM1 1/2	7-7"		PHCLSM1 1/2		12/10/2018
1.0 Sack ABC Slurry	7-7"		PHCLSM1		12/10/2018
0.5 Sack ABC Slurry PHCLSM	5-8"		PHCLSM1/2		12/10/2018

Approved Plants:

- Plant #32 2011 W. McKellips Mesa, Az. 85256
- Plant #42 5159 North El Mirage Road, Litchfield Park, Az. 85340
- Plant #45 6501 N. 115th Avenue, Glendale, Az. 85037
- Plant #65 15930 N. Christensen Road, Coolidge, Az. 85288
- Plant# 67 6204 W. Southern Ave. Laveen, Az. 85339

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2019 Approved Concrete Mix Designs

Rock Solid

The following Mix Designs have been approved by the City of Phoenix Materials Lab for use on all City of Phoenix projects:

Products	Slump	Fly Ash	No Fly Ash	Design Date
MAG AA 4000 PSI w/ Ash Machine	1-3"	A4046		1/1/2019
MAG AA 4000 PSI w/ Ash Flowable	6-8"	A4040P		1/1/2019
MAG AA 4000 PSI	3-5"		A4041	1/1/2019
MAG AA 4000 PSI w/ Ash	3-5"	A4040		1/1/2019
MAG A 3000 PSI w/ Ash Machine	1-3"	A3046		1/1/2019
MAG A 3000 PSI w/ Ash Flowable	6-8"	A3040P		1/1/2019
MAG A 3000 PSI	3-5"		A3041	1/1/2019
MAG A 3000 PSI w/ Ash	3-5"	A3040		1/1/2019
MAG B 2500 PSI w/ Ash Machine	1-3"	A2546		1/1/2019
MAG B 2500 PSI w/ Ash Flowable	6-8"	A2540P		1/1/2019
MAG B 2500 PSI	3-5"		A2541	1/1/2019
MAG B 2500 PSI w/ Ash	3-5"	A2540		1/1/2019
MAG C 2000 PSI	3-5"	A2040		1/1/2019
Products	Flow	Fly Ash	No Fly Ash	Design Date
1/2 Sack ABC Slurry	7-11"		PHCLSM 1/2 (A1050)	1/1/2019
1 Sack ABC Slurry	7-11"		PHCLSM 1 (A1100)	1/1/2019
1.5 Sack ABC Slurry	7-11"	PHCLSM 1 1/2 (A1150)		1/1/2019
2 Sack Slurry	7-11"	A1200		1/1/2019

Approved Plants:

- Plant # 1 6741 W Rock Solid Way Chandler, Az. 85226
- Plant # 2 11500 W Beardsley Road Sun City, Az. 85373
- Plant # 5 3666 N Higley Rd Mesa Az 85215
- Plant # 6 6204 W Southern Ave Laveen, Az. 85339
- Plant # 10 6741 W Rock Solid Way Chandler, Az. 85226

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