

City and County of Denver Approved Concrete Designs

For questions email CCDMaterialsReview@denvergov.org

Holcim						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
04/20/21	9458224	Class B, D, P Machine	25%	Class F	0.4	
01/19/22	9456623	Class P	20%	Class F	0.42	
01/12/22	94088087	Class BZ with air	30%	Class F	0.44	
04/07/23	7456122	Class D	20%	Class F	0.41	
04/07/23	7456120	Class D	20%	Class F	0.41	4.5K DENVER MIX - FA

Brannan - Ready Mixed						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
02/16/22	112814GE	Class P, 3000 PSI in 12 HRS	20%	Class F	0.31	12 Hour
02/16/22	124814GE	Class P, 3000 PSI in 24 HRS	20%	Class F	0.35	24 Hour
02/02/22	145812G	Class D, Low Slump	20%	Class F	0.34	
01/09/23	145813G	Class D	23%	Class F	0.40	
04/22/22	845813R	Class B Median Cover	23%	Class F	0.4	
02/02/22	245812G	Class P, Low Slump	23%	Class F	0.39	
02/01/22	245814G	Class P, Hand	23%	Class F	0.39	

BURNCO Colorado						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
01/05/23	4511D1C4C	Class B/D/P, High Slump	25%	Natural Pozz.	0.43	
01/05/23	4511C1C2C	Class B/D/P, Low Slump	20%	Natural Pozz.	0.43	
01/05/23	4511C1C4C	Class D	20%	Natural Pozz.	0.43	
01/05/23	4511D1C2C	Class D/P	25%	Natural Pozz.	0.43	
03/03/21	45C1C1C4C	Class B/D/P, High Slump	20%	Natural Pozz.	0.43	
03/03/21	45C1C1C2C	Class B/D/P, Low Slump	20%	Natural Pozz.	0.43	
08/04/21	40D1N1D7C	BZ AE	20%	Natural Pozz.	0.45 Max	For Caissons

On Demand Concrete						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
04/13/21	CDP4524HR	Class P, 24 Hour	25%	Class F	0.38	Type IP cement, fly ash won't show up on ticket
05/24/22	CDP4504C	Class D and P, 4 Hour	None	None	0.44	Type 1157 HS cement, fly ash not required
02/28/22	CBDP4500C	Class B, D, P	25%	Class F	0.44	Type IP cement, fly ash won't show up on ticket
01/05/21	BZE4000	Class BZ	25%	Class F	0.40	Type IP cement, fly ash won't show up on ticket
02/28/22	CDP4524C	Class D, P	25%	Class F	0.44	Type IP cement, fly ash won't show up on ticket

SRM (Martin Marietta Materials)						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
09/09/21	CD4575	B, D, P	20%	Class F	0.45	
01/17/23	ZCDOT 45878-1	B, D, P	20%	Class F	0.44	
09/03/21	ZA4315	B, D, P	20%	Class F	0.42	24 Hour

Velocity Ready Mix						
Mix Design Dated	Mix Code	CDOT Class	Fly Ash Amount	Fly Ash Type	Design w/c	Notes
09/02/21	CDP4522	D, P	20%	Class F	0.42	High Slump

All concrete requires 1.5 pounds micro fibers (Fibermesh or equal) PER CUBIC YARD of Concrete. Fibers must be ordered when concrete is ordered. Concrete for all ROW features on Collectors and Arterials requires 20% Class F Flyash for Winter Deicer Resistance and Class 2 default for soil sulfates. Highly recommended for local streets and City & County of Denver specs are MGPEC Item 30 specs, EXCEPT No use of class C Flyash in a mix is allowed without special submittals. See CDOT Standard Specifications for Road & Bridge at 601.04 and Metropolitan Pavement Engineers Council = www.MGPEC.org