

Pre-Approved Concrete Mix Designs

These concrete mix designs meet the requirements of CDOT Standard Specifications and the CDOT Field Materials Manual CP 62. Inclusion on the APL does not guarantee that a mix will be approved for use on a project.

Please contact the Concrete & Physical Properties Unit at DOT_ConcreteMixDesigns@state.co.us for more information on the mix designs.

Updated: 2/12/2020

Aggregate Industries - WCR, Inc.

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2019082	9456830S	Concrete, Class G	5.0	0.41	Class 2 Sulfate Resistance	01/07/2021
2019148	9456758	Concrete, Class D	5.0	0.38	Class 2 Sulfate Resistance	12/04/2020

Burnco (formerly Bestway)

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2020002	45J3N1N6C	Concrete, Class G	6.0	0.39	Class 2 Sulfate Resistance	08/19/2021

ENCON Colorado

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2019096	800-H2	Concrete, Class PS	26	0.32	Class 1 Sulfate Resistance	01/07/2021
2019135	670-H2	Concrete, Class PS	6.25	0.37	Class 1 Sulfate Resistance	01/07/2021

Martin Marietta Materials Inc.

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2020003	CD4125	Concrete, Class D	1.75	0.43	Class 0 Sulfate Resistance	09/24/2021
2020005	CD4255	Concrete, Class D	3.5	0.45	Class 1 Sulfate Resistance	09/11/2021
2020006	CD4465	Concrete, Class D	3.0	0.45	Class 1 Sulfate Resistance	09/13/2021
2020007	CD4515	Concrete, Class D	4.0	0.45	Class 0 Sulfate Resistance	09/13/2021
2020008	CD4525	Concrete, Class D	3.5	0.45	Class 0 Sulfate Resistance	09/13/2021
2020009	CD4535	Concrete, Class D	3.0	0.43	Class 0 Sulfate Resistance	09/13/2021
2020010	CD4570	Concrete, Class D	4.0	0.45	Class 0 Sulfate Resistance	09/13/2021
2020011	CD4575	Concrete, Class D/P	3.5	0.45	Class 2 Sulfate Resistance	10/08/2021
2020012	CD4575	Concrete, Class D/P	4.0	0.45	Class 2 Sulfate Resistance	10/10/2021
2020013	CD4645	Concrete, Class D	2.25	0.43	Class 1 Sulfate Resistance	09/09/2021
2020014	CD4695	Concrete, Class D	3.5	0.45	Class 1 Sulfate Resistance	09/09/2021
2020015	CD4570	Concrete, Class D	3.5	0.45	Class 0 Sulfate Resistance	09/11/2021
2020016	CD4865	Concrete, Class D	4.75	0.45	Class 1 Sulfate Resistance	09/09/2021
2020017	CD4945	Concrete, Class D	3.0	0.43	Class 0 Sulfate Resistance	09/11/2021
2020018	CD4985	Concrete, Class D	3.0	0.43	Class 0 Sulfate Resistance	09/11/2021
2020019	CD4995	Concrete, Class D	4.0	0.45	Class 0 Sulfate Resistance	09/11/2021
2020020	HE4224H	Concrete, Class D	6.0	0.40	Class 0 Sulfate Resistance	09/25/2021
2020021	HE4224H	Concrete, Class D	5.5	0.40	Class 0 Sulfate Resistance	09/25/2021
2020022	HESC24H	Concrete, Class D	6.75	0.40	Class 1 Sulfate Resistance	11/01/2021
2020023	HESC24H	Concrete, Class D	6.25	0.4	Class 1 Sulfate Resistance	10/01/2021
2020024	ZA4315	Concrete, Class D/P	5.5	0.42	Class 2 Sulfate Resistance	10/08/2021
2020025	ZA4315	Concrete, Class D/P	7.25	0.42	Class 2 Sulfate Resistance	10/01/2021
2020026	ZA4514	Concrete, Class D/P	2.25	0.43	Class 2 Sulfate Resistance	10/01/2021

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Martin Marietta Materials Inc. (Continued)

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2020027	ZCD4145	Concrete, Class D	6.0	0.44	Class 1 Sulfate Resistance	11/01/2021
2020029	ZA4514	Concrete, Class D/P	1.5	0.43	Class 2 Sulfate Resistance	10/08/2021
2020032	CD4515-751/755	Concrete, Class D	2.0	0.43	Class 0 Sulfate Resistance	02/01/2021
2020042	CD4525-751/755	Concrete, Class D	3.0	0.45	Class 0 Sulfate Resistance	02/01/2021
2020043	CD4575(Davis)-751/755	Concrete, Class D/P	5.0	0.44	Class 2 Sulfate Resistance	02/01/2021
2020044	CD4575-751/755	Concrete, Class D/P	4.5	0.44	Class 2 Sulfate Resistance	02/01/2021
2020045	CD4515-452	Concrete, Class D	2.75	0.44	Class 1 Sulfate Resistance	09/05/2021
2020046	CD4715-751/755	Concrete, Class D/P	2.5	0.43	Class 2 Sulfate Resistance	02/01/2021
2020047	CD4425-452	Concrete, Class D	5.0	0.44	Class 1 Sulfate Resistance	09/05/2021
2020048	CD4425(Davis)-452	Concrete, Class D	5.0	0.44	Class 1 Sulfate Resistance	09/05/2021
2020049	CBZ4983-452	Concrete, Class BZ	8.5	0.45	Class 1 Sulfate Resistance	08/29/2021
2020050	CBZ4940-452	Concrete, Class BZ	6.5	0.45	Class 1 Sulfate Resistance	11/01/2021

Plum Creek Structures

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2019103	830CFA20	Concrete, Class PS	26	0.28	Class 0 Sulfate Resistance	01/07/2021
2019104	705CFA15	Concrete, Class PS	23	0.36	Class 0 Sulfate Resistance	01/07/2021

Ready Mixed Denver

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2019062	145914G	Concrete, Class G	4.0	0.38	Class 2 Sulfate Resistance	12/01/2020
2019097	850919R1	Concrete, Class S35	24	0.42	Class 2 Sulfate Resistance	01/01/2021
2020001	145813G	Concrete, Class D	3.0	0.40	Class 2 Sulfate Resistance	12/01/2020
2020035	145815G	Concrete, Class D	5.0	0.38	Class 2 Sulfate Resistance	12/18/2020

Transit Mix Concrete Colorado Springs

CDOT Mix Number	Supplier Mix ID		Slump	W/Cm Ratio		Expiration Date
2020034	34592110	Concrete, Class D	4.25	0.43	Class 2 Sulfate Resistance	08/22/2021
2020038	3453211020	Concrete, Class D	6.0	0.43	Class 2 Sulfate Resistance	08/22/2021