



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 5/13/2021

Sample: 7468

Cole Garner Geotechnical

1070 West 124th Ave
Suite 300
Westminster, CO 80234
Phone: 303.996.2999

Client:

KB Home Colorado Inc.
7807 East Peakview Avenue, Suite 300
Centennial, CO 80111

Project:

19.23.042
Trails at Crowfoot
Crowfoot Valley Road and Bayou Gulch Road
Parker, CO

Sample Details

Set #:	25	Technician:	Andrew Calogero	Batched:	11:19 MDT
Specimen Size:	4" X 8"	Cast By:	Andrew Calogero	Sampled:	12:05 MDT
Specimens In Set:	5	Date Cast:	04/05/21	Cast:	12:15 MDT
Truck / Ticket #:	142 / 84608217	Sampled From:	Chute	Truck Empty:	12:30 MDT
Contractor:	P.E.I.	Placement Method:	Chute	Placement Time:	71 (min)

Location

Placement Location:	30 - Various Flatwork
Location Details:	Crossspan with sidewalk/ADA ramps, curb and gutter at intersection of Scarlet Sage St. and Red Cosmos St. (across from 14051 Scarlet Sage St.)
Sample Location / Notes:	South end of crossspan

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5.0 - 8.0 (%)
				Slump:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Partly cloudy	Slump (in):	5-1/4 (ASTM C143)	Plastic Unit Weight:	142.4 (lb/ft³) (ASTM C138)
Air Temperature (F):	66	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	6.0 (ASTM C231)
				Load Volume:	10 (yd³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
25-1	7	04/12/21	1 / 6	4.00	12.57	55,600	4,420	5		N
25-2	28	05/03/21	1 / 27	4.00	12.57	72,250	5,750	3	PS	N
25-3	28	05/03/21	1 / 27	4.00	12.57	71,770	5,710	5	PS	N
25-4	28	05/03/21	1 / 27	4.00	12.57	73,460	5,840	5	PS	N
25-5	28 H	05/03/21	1 / 27							

Test Age Average Strengths (psi): 28 Day - 5770

Capping Methods

PS: The break result meets or exceeds 100% of the required strength. Tested By: Mitchell Ellsmore (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
Checked In : 04/06/2021 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6