



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 09/13/2022
Sample: 12320

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:
22.23.025
Trails at Crowfoot F16
Scarlet Sage & Bayou Gulch Rd
Parker, CO

Sample Details

Set #:	12	Technician:	Kory Klinkerman	Batched:	10:22 MDT
Specimen Size:	4" X 8"	Cast By:	Kory Klinkerman	Sampled:	11:15 MDT
Specimens In Set:	5	Date Cast:	08/10/22	Cast:	11:30 MDT
Truck / Ticket #:	8827 / 21064539	Sampled From:	Chute	Truck Empty:	
Contractor:	PEI	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	30 - Sidewalk
Location Details:	ADA ramp located at the corner of Birds Foot Ave and Hop Clover Trail
Sample Location / Notes:	Ramp located at the corner of Birds Foot Ave and Hop Clover Trail

Batch Log

Supplier:	MMM	Mix Design:	CD4570	Strength:	4500 (psi)
On-Site Admixtures:	None			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Specifications

Field Measurements

Weather:	Clear	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	142.5 (lb/ft³) (ASTM C138)
Air Temperature (F):	82	Concrete Temp (F):	81 (ASTM C1064)	Air Content:	7.0 (ASTM C231)
				Load Volume:	7.00 (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
12-1	7	08/17/22	1 / 6	4.00	12.57	60,230	4,790	6		N
12-2	28	09/07/22	1 / 27	4.00	12.57	67,110	5,340	5	PS	N
12-3	28	09/07/22	1 / 27	4.00	12.57	68,330	5,440	5	PS	N
12-4	28	09/07/22	1 / 27	4.00	12.57	69,560	5,530	5	PS	N
12-5	28 H	09/07/22	1 / 27							

Test Age Average Strengths (psi): 28 Day - 5440

Capping Methods

PS: The break result meets or exceeds 100% of the required strength.	N: Unbonded Caps (ASTM C1231)
Tested By: Eric Stoermer (1), Joel Meyer (2,3,4,5)	
Checked In : 08/11/2022 (1,2,3,4,5)	

