



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 09/13/2022
Sample: 12346

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 #:	13	Technician:	Bill Garrity	Batched:	09:18 MDT
Specimen Size:	4" X 8"	Cast By:	Bill Garrity	Sampled:	10:40 MDT
Specimens In Set:	5	Date Cast:	08/11/22	Cast:	10:55 MDT
Truck / Ticket #:	1902 / 15005061	Sampled From:	Chute	Truck Empty:	
Contractor:	PEI	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Concrete Paving
Location Details: Alpine Lily Trail beginning approximately 20' south of Alpine Lily Avenue intersection and extending approximately 50' south
Sample Location / Notes: Sampled at southwest corner of pour

Batch Log

Supplier:	SRM Concrete	Mix Design:	CD4570	Strength:	4500 (psi)
On-Site Admixtures:	8.00 Oz AEA-Air Entraining Admixture (10.0 yd ³)			Air:	5 - 8 (%)
				Slump:	1 - 4 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	146.2 (lb/ft ³) (ASTM C138)
Air Temperature (F):	84	Concrete Temp (F):	82 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
				Load Volume:	10.00 (yd ³)

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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
13-1	7	08/18/22	1 / 6	4.00	12.57	56,350	4,480	6		N
13-2	28	09/08/22	1 / 27	4.00	12.57	75,180	5,980	5	PS	N
13-3	28	09/08/22	1 / 27	4.00	12.57	77,490	6,170	5	PS	N
13-4	28	09/08/22	1 / 27	4.00	12.57	74,970	5,960	5	PS	N
13-5	28 H	09/08/22	1 / 27							

Test Age Average Strengths (psi): 28 Day - 6040

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 : 08/12/2022 (1,2,3,4,5)	



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