



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 09/06/2022
Sample: 12279

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 #:	11	Technician:	Elizabeth Beierle
Specimen Size:	4" X 8"	Cast By:	Elizabeth Beierle
Specimens In Set:	5	Date Cast:	08/08/22
Truck / Ticket #:	8618 / 21064437	Sampled From:	Chute
Contractor:	PEI	Placement Method:	Chute
		Batched:	11:28 MDT
		Sampled:	12:15 MDT
		Cast:	12:30 MDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	30 - Concrete Paving
Location Details:	R&R concrete paving on Alpine Lily Ln east of Alpine Lily Ave
Sample Location / Notes:	R&R concrete paving on Alpine Lily Ln east of Alpine Lily Ave

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

Field Measurements			
Weather:	Partly cloudy	Slump (in):	3-1/2 (ASTM C143)
Air Temperature (F):	80	Concrete Temp (F):	81 (ASTM C1064)
		Plastic Unit Weight:	142.4 (lb/ft³) (ASTM C138)
		Air Content:	7.8 (ASTM C231)
		Load Volume:	6.00 (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
11-1	7	08/15/22	1 / 6	4.00	12.57	49,290	3,920	5		N
11-2	28	09/05/22	1 / 27	4.00	12.57	63,560	5,060	5	PS	N
11-3	28	09/05/22	1 / 27	4.00	12.57	62,570	4,980	5	PS	N
11-4	28	09/05/22	1 / 27	4.00	12.57	64,480	5,130	5	PS	N
11-5	28	09/05/22	1 / 27							

Test Age Average Strengths (psi): 28 Day - 5060									
PS: The break result meets or exceeds 100% of the required strength.								Capping Methods	
Tested By: Joel Meyer (1,2,3,4,5)								N: Unbonded Caps (ASTM C1231)	
Checked In : 08/09/2022 (1,2,3,4,5)									

