

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 08/14/2024

Sample: 447003

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Tailor Made Exteriors
1610 SE Hamblen Rd
Lee's Summit, MO 64081

Project:

230445
TM Fieldhouse
1600 SE Hamblen Rd
Lees Summit, MO 64081

Sample Details

Set #:	14	Technician:	Zaii Graves	Batched:	12:47 CDT
Specimen Size:	4" X 8"	Cast By:	Zaii Graves	Sampled:	13:17 CDT
Specimens In Set:	5	Date Cast:	07/09/24	Cast:	13:32 CDT
Truck / Ticket #:	453 / 1002888	Sampled From:	Chute	Truck Empty:	
Contractor:	Secon Construction	Placement Method:	Chute	Placement Time:	

Location

Placement Location: Building Interior - Footing
Location Details: D@1-D@5.5
Sample Location / Notes: Sampled from D@5.5

Batch Log

Supplier:	Geiger	Mix Design:	P4UC530V450	Strength:	4000 (psi)
Plant:	Lee's Summit			Slump:	3 - 5 (in)
On-Site Admixtures: None					

Specifications

Field Measurements

Weather:	Mostly cloudy	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	80	Concrete Temp (F):	85 (ASTM C1064)	Air Content:	
				Load Volume:	10.00 (yd ³)

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

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
14-1	7	07/16/24	1 / 6	4.00	12.57	48,500	3,860	3		N
14-2	28	08/06/24	1 / 27	4.00	12.57	71,580	5,700	3		N
14-3	28	08/06/24	1 / 27	4.00	12.57	69,120	5,500	3		N
14-4	28	08/06/24	1 / 27	4.00	12.57	69,570	5,540	3		N
14-5	56 H	09/03/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3860, 28 Day - 5580

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)

Checked In : 07/10/2024 (1,2,3,4,5)

N: Neoprene



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