

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/19/2024

Sample: 446643

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 #:	9	Technician:	Caleb Armstrong	Batched:	12:01 CDT
Specimen Size:	4" X 8"	Cast By:	Caleb Armstrong	Sampled:	12:20 CDT
Specimens In Set:	5	Date Cast:	06/04/24	Cast:	12:25 CDT
Truck / Ticket #:	421 / 89857	Sampled From:	Chute	Truck Empty:	12:45 CDT
Contractor:	Secon Construction	Placement Method:	Chute	Placement Time:	44 (min)

Location

Placement Location: Building Interior - Footing
Location Details: GL A-B, 5-7
Sample Location / Notes: GL 6,A

Batch Log

Supplier: Geiger
Plant: Lee's Summit
Mix Design: P4BC530V450
On-Site Admixtures: None

Specifications

Strength: 4000 (psi)

Field Measurements

Weather: Slump (in): 4-1/4 (ASTM C143)
Air Temperature (F): Concrete Temp (F): 85 (ASTM C1064)
Plastic Unit Weight:
Air Content:
Load Volume: 10.00 (yd³)

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
9-1	7	06/11/24	1 / 6	4.00	12.57	49,590	3,950	2		N
9-2	28	07/02/24	1 / 27							
9-3	28	07/02/24	1 / 27							
9-4	28	07/02/24	1 / 27							
9-5	56 H	07/30/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3950

Capping Methods

Tested By: Marquis Gaston (1)

Checked In : 06/05/2024 (1,2,3,4,5)

N: Neoprene



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