

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/19/2024

Sample: 446460

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 #:	3	Technician:	Apex Engineers	Batched:	13:54 CDT
Specimen Size:	4" X 8"	Cast By:	Apex Engineers	Sampled:	14:20 CDT
Specimens In Set:	5	Date Cast:	05/15/24	Cast:	14:20 CDT
Truck / Ticket #:	438 / 82863	Sampled From:	Chute	Truck Empty:	
Contractor:	Secon	Placement Method:	Chute	Placement Time:	

Location

Placement Location: Building Exterior - Footing
Location Details: West retaining wall line
Sample Location / Notes: West retaining wall line

Batch Log

Supplier: Geiger Mix Design: P4UC530V450
On-Site Admixtures: None

Specifications

Strength: 3000 (psi)
Slump: 3 - 5 (in)

Field Measurements

Weather: Cloudy Slump (in): 4 (ASTM C143) Plastic Unit Weight:
Air Temperature (F): 65 Concrete Temp (F): 74 (ASTM C1064) Air Content:
Load Volume: 50.00 (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
3-1	7	05/22/24	2 / 5	4.00	12.57	45,700	3,640	3		N
3-2	28	06/12/24	2 / 26	4.00	12.57	69,100	5,500	3		N
3-3	28	06/12/24	2 / 26	4.00	12.57	67,700	5,390	3		N
3-4	28	06/12/24	2 / 26	4.00	12.57	68,360	5,440	3		N
3-5	56 H	07/10/24	2 / 54							

Test Age Average Strengths (psi): 7 Day - 3640, 28 Day - 5440

Capping Methods

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

N: Neoprene

Checked In : 05/17/2024 (1,2,3,4,5)



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