

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/29/2024

Sample: 446906

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 #:	13	Technician:	Jeff Marquez	Batched:	10:48 CDT
Specimen Size:	4" X 8"	Cast By:	Jeff Marquez	Sampled:	11:00 CDT
Specimens In Set:	5	Date Cast:	06/24/24	Cast:	11:04 CDT
Truck / Ticket #:	920 / 98741	Sampled From:	Chute	Truck Empty:	11:21 CDT
Contractor:	Secon	Placement Method:	Chute	Placement Time:	33 (min)

Location

Placement Location:	Building Interior - Grade Beam
Location Details:	D/10-5.5
Sample Location / Notes:	D/10

Batch Log

Supplier:	Geiger
On-Site Admixtures:	None

Specifications

Strength:	4000 (psi)
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Field Measurements

Weather:	Sunny	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	92	Concrete Temp (F):	83 (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
13-1	7	07/01/24	1 / 6	4.00	12.57	49,270	3,920	3		N
13-2	28	07/22/24	1 / 27	4.00	12.57	63,560	5,060	3		N
13-3	28	07/22/24	1 / 27	4.00	12.57	61,290	4,880	3		N
13-4	28	07/22/24	1 / 27	4.00	12.57	62,440	4,970	3		N
13-5	56 H	08/19/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3920, 28 Day - 4970

Capping Methods

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

N: Neoprene

Checked In : 06/25/2024 (1,2,3,4,5)



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