



Compressive Strength of Grout Prism

Report Date: 08/14/2024

Sample: 447020

Test Method:

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 #:	1	Technician:	William Connelly	Batched:	09:00 CDT
Specimen Size:	3" X 6"	Cast By:	William Connelly	Sampled:	09:05 CDT
Specimens In Set:	4	Date Cast:	07/10/24	Cast:	09:15 CDT
Contractor:	Contractor	Sampled From:	Point of Placement		

Location

Placement Location:	Various
Location Details:	Masonry Wall C.5/5-C.5/7
Sample Location / Notes:	C.5/7

Batch Log

On-Site Admixtures: None	Strength: 2000 (psi)
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Field Measurements

Weather: Sunny	Consistency: Slump	Air Content:
Air Temperature (F): 76	Grout Temp (F): 79 (ASTM C1064)	

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	Avg. Width 1 & 3 (in)	Avg. Width 2 & 4 (in)	Area (in ²)	Avg Height	Max Load (lbs)	Strength (psi)	Break Remark	Fracture Type	Capping Method
1-1	7	07/17/24	2 / 5	3.58	3.61	12.92	8.07	25,520	1,980		3	S
1-2	28	08/07/24	2 / 26	3.53	3.55	12.53	7.84	65,690	5,240		3	S
1-3	28	08/07/24	2 / 26	3.57	3.63	12.96	7.98	67,290	5,190		3	S
1-4	28	08/07/24	2 / 26	3.55	3.56	12.64	7.87	63,850	5,050		3	S

Widths 1&3: 3.66, 3.49 (1) 3.57, 3.49 (2) 3.63, 3.51 (3) 3.52, 3.57 (4) Widths 2&4: 3.67, 3.54 (1) 3.58, 3.51 (2) 3.69, 3.57 (3) 3.58, 3.54 (4)

Heights: 8.07, 8.07, 8.07, 8.07 (1) 7.84, 7.84, 7.84, 7.84 (2) 7.98, 7.98, 7.98, 7.98 (3) 7.87, 7.87, 7.87, 7.87 (4)

Test Age Average Strengths (psi): 7 Day - 1980, 28 Day - 5160

Test Age Strength Standard Deviation: 7 Day - 0, 28 Day - 81

Break Remarks

Tested By: Marquis Gaston (1,2,3,4)
Checked In : 07/12/2024 (1,2,3,4)

Capping Methods

S: Sulfur

Fracture Types

3: Columnar vertical cracking through both ends, no well-formed cones