

Compressive Strength of Grout Prism

Test Method: ASTM C1019

Report #: GP-000004
Report Date: 4/12/2018
Sample: 44619

Fort Myers

5475 Lee Street
Unit 303
Lehigh Acres, FL 33971
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Client:

Kite Realty Group
30 South Meridian Street, Suite 1100
Indianapolis, IN 46204

Project:

10107-1018009.000
Starbucks - Courthouse Shadows
3260 Tamiami Trail E / PRBD20171039731
Naples, Florida 33971

Sample Details

Set #:	4	Technician:	Brown, Robert	Batched:	10:55 EDT
Specimen Size:	Grout Prism	Cast By:	Brown, Robert	Sampled:	11:30 EDT
Specimens In Set:	4	Date Cast:	03/15/18	Cast:	11:35 EDT
Truck / Ticket #:	1518 / 900206	Sampled From:	Chute	Truck Empty:	12:15 EDT
Contractor:	Westcoast	Placement Method:	Pump	Placement Time:	80 (min)

Location

Placement Location: Building Wall
Location Details: Tie beams fill cell
Sample Location / Notes: On curb near entrance

Batch Log

Supplier: Titan
Plant: Mainline
On-Site Admixtures: None

Mix Design: JAG08C30

Specifications

Strength: 3000 (psi)

Field Measurements

Weather: Clear
Air Temperature (F): 68
Slump (in): 8-1/2 (ASTM C143)
Grout Temp (F): 75 (ASTM C1064-12)
Air Content:
Load Volume: 7.5 (yd³)

Lab Test Results

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
4-1	7	03/22/18	4 / 3	3.39	3.33	11.29	6.70	29,110	2,580		5	N
4-2	28	04/12/18	4 / 24	3.41	3.42	11.66	6.65	84,260	7,230		5	N
4-3	28	04/12/18	4 / 24	3.30	3.36	11.09	6.78	83,590	7,540		5	N
4-4	28	04/12/18	4 / 24	3.31	3.31	10.92	6.74	69,520	6,370		5	N

Test Age Average Strengths (psi): 7 Day - 2580, 28 Day - 7040

Test Age Strength Standard Deviation: 7 Day - 0, 28 Day - 495

Break Remarks

Capping Methods

Fracture Types

N: Unbonded Caps (ASTM C1231)

5: Side Structures at top or bottom (occur commonly with unbonded caps)

Electronically signed and sealed by
Joshua D. Hudson, P.E., Project Engineer
on Apr 12, 2018 using a Digital Signature.