



Job Name: Arto Blocks		Report Date: 12.03.15
Job Address: 15209 S. Broadway St., Gardena		
Sampled By: Alfonso Arellano		Fabricator: Arto Blocks
Sample Description: Tiles		Tested by: Alfonso Arellano
Sampled Date: 11/25/15		Job Number: Misc

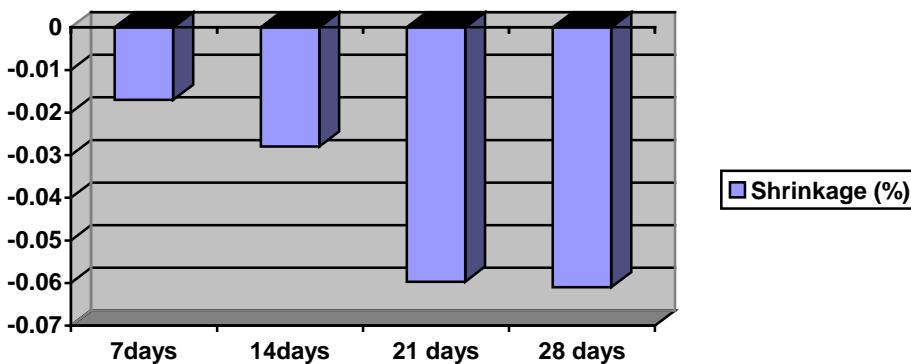
Per your request, SITI extracted test specimens for shrinkage testing evaluation, concrete cylinders compression test and also sampled of the fabricated tiles. SITI testing technician brought the samples back to the laboratory for further analysis. see below for more information.

I. Shrinkage Test. ASTM C157

Cast Date	Average Shrinkage Percent			
	11.05.15	11.12.15	11.19.15	11.26.15
	Ave. 7 days in Air Storage	Ave. 14 Days in Air Storage	Ave. 21 Days in Air Storage	Ave. 28 Days in Air Storage
10.21.15	- 0.017%	-0.028%	-0.0597%	-0.0610%
<i>Length Change @ 28 Days Air Storage = -0.0610%</i>				

Please note: Sample were inundated in water for 7 days ( 10.22.15 thru 10.29.15 )

II. Shrinkage Chart



### III. Compressive Strength ( ASTM C39 )

Sample Number	Test Dates	Dimension	Area	Psi
512700 A	10.28.15	4.003x8	12.59	3180
512700B	11.18.15	4.003x8	12.59	4320
512700C	11.18.15	4.003x8	12.59	4340
512700D	11.18.15	4.003x8	12.59	4360

### IV. Absorption Test Results ( ASTM C 140 )

Sample Description	Average Absorption ( % )
Brown Tiles	9.57
Red Tiles	9.56
Brown Square Tiles	10.19
Octa- Brown	10.52

The opportunity to be service to you is sincerely appreciated. Should you have any question regarding this report, or we may be of further assistance please call.

Sincerely,

**SOUTHWEST INSPECTION AND TESTING, INC.**

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Abnish Rajbanshi/EIT  
Laboratory Supervisor



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Ian R. Waddell  
Technical Engineer