

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: J3091112.0028B

Service Date: 04/14/10

Report Date: 04/16/10

15 Holly St.
Scarborough, ME 04074
207-396-5374

Client

BKA Architects
Attn: Matt Pelletier
142 Crescent Street
Brockton, MA 02302

Project

W.B. Mason Expansion
106 Pine Tree Industrial Parkway
Portland, ME 04102

Project Number: J3091112

Material Information

Specified Strength: 4,000 psi @ 28 days

Mix ID: 3/8 4000-psi

Supplier: Dragon Products

Batch Time: 0725

Plant:

Truck No.: 190

Ticket No.: 3934651

Sample Information

Sample Date: 04/14/10 Sample Time: 0745

Sampled By: Ethan M. Marro

Weather Conditions: Clear 40'sF

Accumulative Yards: 20 Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal):

Water Added After (gal):

Sample Location: Between column lines A and B 3 and 4.

Placement Location: Mezzanine between column lines A and D, 1 and 4.5

Field Test Data

Test	Result	Specification
Slump (in):	6	Max 6
Air Content (%):	2.6	0 - 3
Concrete Temp. (F):	60	
Ambient Temp. (F):	41	
Plastic Unit Wt. (pcf):		

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Specimen Weight (lbs)	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type
8	A	4.00	12.57	04/15/10	8.30	04/21/10	7	58,150	4,630	3
8	B	4.00	12.57	04/15/10	8.35	05/12/10	28	64,260	5,110	2
8	C	4.00	12.57	04/15/10	8.41	05/12/10	28	67,190	5,350	2
								Average (28 days)	5,230	
8	D			04/15/10	8.34		Hold			

Comments: Compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To:

Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:

Wendell Shedd

Test Methods: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: J3091112.0028B

Service Date: 04/14/10

Report Date: 04/16/10

15 Holly St.
Scarborough, ME 04074
207-396-5374

Client

BKA Architects
Attn: Matt Pelletier
142 Crescent Street
Brockton, MA 02302

Project

W.B. Mason Expansion
106 Pine Tree Industrial Parkway
Portland, ME 04102

Project Number: J3091112

Material Information

Specified Strength: 4,000 psi @ 28 days

Mix ID: 3/8 4000-psi

Supplier: Dragon Products

Batch Time: 0920

Plant:

Truck No.: 173

Ticket No.: 3934657

Sample Information

Sample Date: 04/14/10 Sample Time: 0945

Sampled By: Ethan M. Marro

Weather Conditions: Clear 40's F

Accumulative Yards: 80 Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal):

Water Added After (gal):

Sample Location: Between column lines C and D. 1 and 2.

Placement Location: Mezzanine between column lines A and D, 1 and 4.5

Field Test Data

Test	Result	Specification
Slump (in):	6	Max 6
Air Content (%):	2.3	0 - 3
Concrete Temp. (F):	58	
Ambient Temp. (F):	45	
Plastic Unit Wt. (pcf):		

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Specimen Weight (lbs)	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type
9	A	4.00	12.57	04/15/10	8.32	04/21/10	7	53,340	4,250	2
9	B	4.00	12.57	04/15/10	8.37	05/12/10	28	59,870	4,760	2
9	C	4.00	12.57	04/15/10	8.34	05/12/10	28	61,610	4,900	2
								Average (28 days)	4,830	
9	D			04/15/10	8.36		Hold			

Comments: Compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon
Services:

Terracon Rep.: Ethan M. Marro

Reported To:

Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:


Wendell Shedd

Test Methods: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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