

**Sampling and Testing Architectural Cast Stone
Specifications per ASTM C1364**

Date: August 28, 2007

Project Number: BL-07-03681

Client:

Mr. Doug Edwards
Edwards Cast Stone Co.
777 Edwards Road
Dubuque, IA 52003

Project Description:

Architectural Cast Stone Testing

Sample Data

Type of Unit: Cut Cast Stone Cubes
Supplier: Edwards Cast Stone, Dubuque IA
Mix Design: DC40
Date Cast: 7/5/07
Date Received: 7/30/07

**Standard Test Method for Absorption of Architectural Cast Stone (Test Method A, Cold Water)
ASTM C1195**

Sample Number:	1A1	1B1	1C1	Average	Specifications
Date Tested:	8/6/07	8/6/07	8/6/07		
Moisture Content as Received (%):	4.1	4.2	4.0	4.1	
Absorption (%):	4.0	4.0	3.9	4.0	Max 6.0

**Standard Test Method for Absorption of Architectural Cast Stone (Test Method B, Boiling Water)
ASTM C1195**

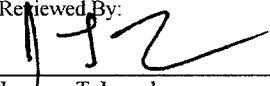
Sample Number:	1A2	1B2	1B3	Average	Specifications
Date Tested:	8/6/07	8/6/07	8/6/07		
Moisture Content as Received (%):	4.0	4.0	4.1	4.0	
Absorption (%):	7.3	7.3	7.4	7.3	Max 10.0

**Standard Test Method for Compressive Strength of Architectural Cast Stone
ASTM C1194**

Sample Number:	1A3	1B3	1C3	Average	Specifications
Date Tested:	8/2/07	8/2/07	8/2/07		
Moisture Content as Received (%):	5.3	4.0	4.2	4.5	
Width (in.):	1.97	1.98	1.98	1.97	
Length (in.):	2.03	1.98	2.06	2.02	
Height (in.):	2.11	2.15	2.16	2.14	
Compressive Strength (psi):	9910	11420	8640	9990	Min 6500

Remarks: The samples meet the absorption and compression requirements of ASTM C 1364.

Reviewed By:


Jamison T. Langdon
Concrete Materials Specialist

**Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing
ASTM C 666**

Date: October 18, 2007

Project Number:

BL-07-03681

Client:

Mr. Doug Edwards
Edwards Cast Stone Co.
777 Edwards Road
Dubuque, IA 52003

Project Description:

Architectural Cast Stone Testing

Concrete Mixture Data

Set Number: 1
Cast Date: 7/5/07
Mix Design: DC40

Sample Data

Sample Number:	IG	IH	II
Procedure Used:	Procedure A	Procedure A	Procedure A
Width (in.):	3.06	3.00	3.00
Height (in.):	3.90	3.90	4.00
Length (in.):	15.94	15.92	15.96

Laboratory Data

Date Received:	7/30/2007	7/30/2007	7/30/2007
Date Tested:	8/1/2007	8/1/2007	8/1/2007

Test Results

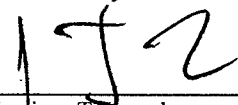
Cycles	IG	IH	II
36	0.0%	0.1%	0.1%
66	0.1%	0.1%	0.1%
102	0.1%	0.2%	0.2%
124	0.2%	0.3%	0.2%
146	0.3%	0.3%	0.3%
182	0.4%	0.5%	0.4%
218	0.6%	0.7%	0.6%
254	0.7%	0.9%	0.9%
290	0.9%	1.1%	1.1%

Final Results

CPWL	IG	IH	II
CPWL	1.1%	1.3%	1.4%

Remarks: The maximum cumulative percent mass loss (CPWL) per ASTM C 1364 is 5.0% at 300 cycles.
The samples meet the requirement.

Reviewed By:



Jamison T. Langdon
Concrete Materials Specialist