



11420 Johns Creek Parkway Duluth, Georgia 30097 phone (770) 476-3555 fax (770) 476-0213

Plant: Harvey Cement Products – Harvey, Illinois **Job No:** 22955
Client: ACM Chemistries **Report No:** 305135-1
Lab No: 012606-2 **Date Received:** 1/30/06
Sample ID: HQS+ 32 (cast on 1/23/06) **Report Date:** 3/6/06

TESTING OF ARCHITECTURAL CAST STONE – ASTM C1364-03

Compressive Strength – ASTM C1194-03					
Sample No.	1A	1B	1C	Average	ASTM C1364 Specified
Dimensions, inches	2.02 x 2.02	2.01 x 2.01	2.04 x 2.02	2.02 x 2.02	-
Area, in ²	4.08	4.04	4.12	4.08	-
Applied Load, lbs	45,026	43,155	42,921	43,701	-
Compressive Strength, psi	11,040	10,680	10,420	10,710	6,500 min

Absorption – ASTM C1195-03					
Sample No.	1D	1E	1F	Average	ASTM C1364 Specified
Oven dry wt, grams	287.49	289.45	288.57	288.50	-
48-hour immersed wt, grams	293.92	296.93	295.72	295.52	-
5-hour boiled wt, grams	310.89	314.07	313.36	312.77	-
Absorption Method A - 48-hour Cold Water Test, %	2.2	2.6	2.5	2.5	6 max
Absorption Method B - 5-hour Boiling Water Test, %	8.1	8.5	8.6	8.4	10 max

These results comply with the compressive strength and absorption requirements of ASTM C1364-06.

Respectfully submitted,
QORE, Inc.

Russell Scribner
Materials Laboratory Manager

Report Distribution:
ACM Chemistries / Dr. Marshall Brown



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Plant: Harvey Cement Products – Harvey, Illinois **Job No:** 22955
Client: ACM Chemistries **Report No:** 305135-2
Lab No: 012606-2 **Date Received:** 1/30/06
Sample ID: RB 32 (cast on 1/23/06) **Report Date:** 3/6/06

TESTING OF ARCHITECTURAL CAST STONE – ASTM C1364-03

Compressive Strength – ASTM C1194-03					
Sample No.	2A	2B	2C	Average	ASTM C1364 Specified
Dimensions, inches	2.01 x 2.02	2.02 x 2.03	2.02 x 2.05	2.02 x 2.03	-
Area, in ²	4.06	4.10	4.14	4.10	-
Applied Load, lbs	44,322	43,123	42,561	43,335	-
Compressive Strength, psi	10,920	10,520	10,280	10,570	6,500 min

Absorption – ASTM C1195-03					
Sample No.	2D	2E	2F	Average	ASTM C1364 Specified
Oven dry wt, grams	291.97	290.24	290.51	290.91	-
48-hour immersed wt, grams	297.82	295.90	295.91	296.54	-
5-hour boiled wt, grams	316.96	314.47	314.52	315.32	-
Absorption Method A - 48-hour Cold Water Test, %	2.0	2.0	1.9	2.0	6 max
Absorption Method B - 5-hour Boiling Water Test, %	8.6	8.3	8.3	8.4	10 max

These results comply with the compressive strength and absorption requirements of ASTM C1364-06.

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Plant: Harvey Cement Products – Harvey, Illinois **Job No:** 22955
Client: ACM Chemistries **Report No:** 305135-3
Lab No: 012606-2 **Date Received:** 1/30/06
Sample ID: RB 28 (cast on 1/23/06) **Report Date:** 3/6/06

TESTING OF ARCHITECTURAL CAST STONE – ASTM C1364-03

Compressive Strength – ASTM C1194-03					
Sample No.	3A	3B	3C	Average	ASTM C1364 Specified
Dimensions, inches	2.05 x 2.02	2.03 x 2.04	2.03 x 2.04	2.04 x 2.03	-
Area, in ²	4.14	4.14	4.14	4.14	-
Applied Load, lbs	47,191	47,090	44,825	46,369	-
Compressive Strength, psi	11,400	11,370	10,830	11,200	6,500 min

Absorption – ASTM C1195-03					
Sample No.	3D	3E	3F	Average	ASTM C1364 Specified
Oven dry wt, grams	296.94	297.99	294.70	296.54	-
48-hour immersed wt, grams	302.63	303.76	300.86	302.42	-
5-hour boiled wt, grams	320.36	323.03	319.90	321.10	-
Absorption Method A - 48-hour Cold Water Test, %	1.9	1.9	2.1	2.0	6 max
Absorption Method B - 5-hour Boiling Water Test, %	7.9	8.4	8.6	8.3	10 max

These results comply with the compressive strength and absorption requirements of ASTM C1364-06.

Respectfully submitted,
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Plant: Harvey Cement Products – Harvey, Illinois **Job No:** 22955
Client: ACM Chemistries **Report No:** 305135-4
Lab No: 012606-2 **Date Received:** 1/30/06
Sample ID: RB 25 (cast on 1/23/06) **Report Date:** 3/6/06

TESTING OF ARCHITECTURAL CAST STONE – ASTM C1364-03

Compressive Strength – ASTM C1194-03					
Sample No.	4A	4B	4C	Average	ASTM C1364 Specified
Dimensions, inches	2.01 x 2.03	2.01 x 2.03	2.03 x 2.03	2.02 x 2.03	-
Area, in ²	4.08	4.08	4.12	4.09	-
Applied Load, lbs	43,374	47,048	47,558	45,993	-
Compressive Strength, psi	10,630	11,530	11,540	11,230	6,500 min

Absorption – ASTM C1195-03					
Sample No.	4D	4E	4F	Average	ASTM C1364 Specified
Oven dry wt, grams	289.13	289.54	285.47	288.05	-
48-hour immersed wt, grams	295.48	296.08	292.50	294.69	-
5-hour boiled wt, grams	313.18	314.65	311.40	313.08	-
Absorption Method A - 48-hour Cold Water Test, %	2.2	2.3	2.5	2.3	6 max
Absorption Method B - 5-hour Boiling Water Test, %	8.3	8.7	9.1	8.7	10 max

These results comply with the compressive strength and absorption requirements of ASTM C1364-06.

Respectfully submitted,
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Russell Scribner
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