

DALLAS LABORATORIES, INC.

Consultants and Technologists
Chemical and Petroleum Chemists

P.O. BOX 152837, DALLAS, TEXAS 75315
1323 WALL ST, DALLAS, TEXAS 75215
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FAX 214/565-1094

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FEDERATION OF SOCIETIES FOR COATINGS TECHNOLOGY

From: Kevan Jones
Re: Testing for NevilStone

Date: March 16, 2012

To whom it may confirm:

Dallas Laboratories has been retained by NevilStone and is conducting the following tests for them:

- Density (ASTM C567)
- Compressive Strength (ASTM C192 & C39)
- Tensile Strength (ASTM C190)
- Flexural Strength (ASTM C348)
- Bond Strength (ASTM C482)
- Various Tests (ASTM C67)
 - MOR (Flex)
 - Compression
 - Absorption
 - Freeze/Thaw

Regards,


Kevan W. Jones, Vice President

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June, 13, 2012

Attn: Brad Nevil

Report No.: 44853-A

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for dry and saturated densities per ASTM C567 after 28 day cure.

RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Avg. (Std. Dev.)</u>
Density, lbs/ft ³ (ASTM C567)							
Air-Dry		88.85	90.19	86.43	89.02	87.66	88.43 (1.43)
Saturated (24 hrs. @ RT)		102.94	104.61	99.87	103.11	100.86	102.28 (1.90)
% Water Absorption		15.85	15.99	15.55	15.83	15.06	15.66 (0.37)

DISCUSSION

Material meets or exceeds the % water absorption requirements (18% max.) of AC51 (Table 2).

DALLAS LABORATORIES, INC



Kevan W. Jones, Vice President

Analyst: TL, KJ
KWJ: js

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 19, 2012

Attn: Brad Nevil

Report No.: 44853-B1

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (3 specimens)

PROCEDURE

Three specimens were tested for compressive strength per ASTM C39 at the reported cure interval using supplied cylinder (ASTM C192) specimens.

RESULTS

<u>Test/Method</u>	<u>7 Day Cure</u>
Compressive Strength, psi (ASTM C39)	1,588 1,657 <u>1,628</u>
Avg. (Std. Dev.)	1,624 (34.6)

DISCUSSION

Material meets or exceeds the compressive strength requirements (1,800 psi avg. and 1,500 min. for each specimen) of AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 19, 2012

Attn: Brad Nevil

Report No.: 44853-B2

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (3 specimens)

PROCEDURE

Three specimens were tested for compressive strength per ASTM C39 at the reported cure interval using supplied cylinder (ASTM C192) specimens.

RESULTS

<u>Test/Method</u>	<u>28 Day Cure</u>
Compressive Strength, psi (ASTM C39)	2,776 2,641 <u>2,710</u>
Avg. (Std. Dev.)	2,709 (67.5)

DISCUSSION

Material meets or exceeds the compressive strength requirements (1,800 psi avg. and 1,500 min. for each specimen) of AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: May 21, 2012

Attn: Brad Nevil

Report No.: 44853-C

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for tensile strength per ASTM C190 after 28 day cure.


RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Avg. (Std. Dev.)</u>
Tensile Strength, psi (ASTM C190)		380.6	344.0	352.9	333.9	350.6	352.4 (17.4)
% Variability from Avg.		+8.0	-2.4	+0.1	-5.2	-0.5	

DISCUSSION

Material meets or exceeds the tensile strength requirements (± 10 max.) of AC51.

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Kevan W. Jones, Vice President

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KWJ: js

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 13, 2012

Attn: Brad Nevil

Report No.: 44853-D1

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Five specimens were tested for flexural strength per ASTM C348 at the reported cure interval.

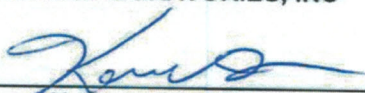
RESULTS

<u>Test/Method</u>	<u>7 Day Cure</u>	<u>% Variability from Avg.</u>
Flexural Strength, psi (ASTM C348)	497.5	+1.0
	504.5	+2.4
	473.0	-4.0
	481.3	-2.3
	<u>506.4</u>	+2.8
Avg.	492.5	
(Std. Dev.)	(14.7)	

DISCUSSION

Material meets or exceeds the flexural strength requirements (± 10 max.) of AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 13, 2012

Attn: Brad Nevil

Report No.: 44853-D2

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Five specimens were tested for flexural strength per ASTM C348 at the reported cure interval.

RESULTS

<u>Test/Method</u>	<u>28 Day Cure</u>	<u>% Variability from Avg.</u>
Flexural Strength, psi (ASTM C348)	817.9	+2.0
	785.7	-2.0
	846.9	+5.6
	766.9	-4.3
	791.2	-1.3
Avg. (Std. Dev.)	801.7 (31.2)	

DISCUSSION

Material meets or exceeds the flexural strength requirements (± 10 max.) of AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 19, 2012

Attn: Brad Nevil

Report No.: 44853-G

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for compressive strength per ASTM C67 after 28 day cure.


RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Avg. (Std. Dev.)</u>
Compressive Strength, psi (ASTM C67)		2,240	2,100	2,130	2,138	2,121	2,146 (54.5)

DISCUSSION

Material meets or exceeds the compressive strength requirements (1,800 psi avg. and 1,500 min. for each specimen) of AC51.

DALLAS LABORATORIES, INC



Kevan W. Jones, Vice President

Analyst: KJ
KWJ: js

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June, 13, 2012

Attn: Brad Nevil

Report No.: 44853-H

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for water absorption per ASTM C67 after 28 day cure.

RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Avg. (Std. Dev.)</u>
Water Absorption, wt. % (ASTM C67)							
@ 5 hour cold		14.92	14.47	14.20	14.61	14.36	14.51 (0.27)

DISCUSSION

Material meets or exceeds the % water absorption requirements (15% max.) of AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: June 15, 2012

Attn: Brad Nevil

Report No.: 44853-H-1

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for water absorption per ASTM C67 after 28 day cure.

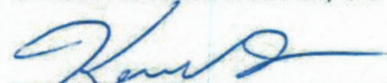
RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Avg. (Std. Dev.)</u>
Water Absorption, wt. % (ASTM C67)							
@ 5 hour cold		14.92	14.47	14.20	14.61	14.36	14.51 (0.27)
@ 24 hour cold		15.85	15.99	15.55	15.64	15.70	15.75 (0.17)
@ 5 hour boil		17.65	17.63	16386	16.98	17.21	17.27 (0.36)
Saturation Coefficient		0.90	0.91	0.92	0.91	0.92	0.91 (0.01)

DISCUSSION

Test values are reported as tested per ASTM C67 with no pass/fail criteria associated with AC51.

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Submitted by: NevilStone
11536 Wild Rose Lane
Anna, TX 75409

Date: October 1, 2012

Attn: Brad Nevil

Report No.: 44853-I

REPORT

Lab Sample No.

44853 Light Weight Manufactured Stone Veneer (5 specimens)

PROCEDURE

Sample was tested for Freeze-Thaw Cycling Resistance per ASTM C67 (50 cycles) after 28 day cure.

RESULTS

<u>Attribute</u>	<u>Specimen #:</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Requirements</u>
Cracking		No	No	No	No	No	No
Disintegrating		No	No	No	No	No	No
Weight Loss, %		0.8	1.2	1.3	1.1	1.4	3.0 max.

DISCUSSION

Material meets or exceeds the freeze/thaw cycling requirements of AC51.

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Kevan W. Jones, Vice President

Analyst: TL, KJ
KWJ: js