

Intertek ETL SEMKO

Lachine, June 28, 2005

Mr. Jon B. Nichols
New Group Asia Construction Material Supply, Inc.
19111 Walden Forest
Houston, TX 77346
Phone: 281-359-2288
Fax: 281-359-2088

Ref./No.: 3078155

Dear Mr. Nichols:

This is to confirm that Intertek has completed the evaluation of your Rubber Slate roof tile shingle.:

Enclosed is one copy of the Testing Report for your records. The invoice covering the work done on this project will be send under separate cover.

Your continued interest in Intertek' services is appreciated. Please contact us if you have questions.

Sincerely,



Claude Pelland, P. Eng.
Regional Manager
Certification & Physical Testing

CP/gl



Services d'essais Intertek AN Ltée
Intertek Testing Services NA Ltd.

1829 32^e Avenue, Lachine, Québec H8T 3J1 Canada
Téléphone: (514) 631-3100 Télécopieur: (514) 631-1133 www.intertek-etlsemko.com

TEST REPORT NO. 3078155

**INSPECTION, TESTS AND EVALUATION
OF**

RUBBER SLATE

RENDERED TO

**NEW GROUP ASIA CONSTRUCTION MATERIAL SUPPLY, INC.
Houston, Texas**

GENERAL: This report gives the results of the tests and evaluation of the above-mentioned product for compliance with applicable requirements of the Standard indicated below. This investigation was authorized by Mr. Terry Lam through Quote No.303251 dated May 25, 2005. The investigation began on June 17th, 2005 and was completed on June 21st, 2005. A prototype sample in good condition was provided by the client on June 16th, 2005 and tested at Intertek's Lachine, Qc facility.

**UL 2218 - May 31, 1996 (Revision: January 25, 2002)
IMPACT RESISTANCE OF PREPARED ROOF COVERING MATERIALS**

Participant:

New Group Asia Construction Material Supply, Inc.
19111 Walden Forest
Houston, TX 77346

Manufacturer:

Same as Participant

Contact: Mr. Jon B. Nichols

Phone: 281-359-2288

Fax: 281-359-2088



An independent organization testing for safety, performance, and certification.

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report and then only in its entirety. Any use of the Intertek name or one of its marks for sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report by itself does not imply that the material, product or service is or has ever been under an Intertek certification program.

**Services d'essais Intertek AN Ltée
Intertek Testing Services NA Ltd.**

1829 32^e Avenue, Lachine, Québec H8T 3J1 Canada
Téléphone: (514) 631-3100 Télécopieur: (514) 631-1133 www.intertek-etlsemko.com

Report No. 3078155

Issued: June 28, 2005

New Group Asia Construction Material Supply, Inc.

| <u>Report Content:</u> | <u>Numbering</u> |
|------------------------|------------------|
| Cover | 1 |
| Revisions | 2 |
| Main Report | 3-6 |
| Appendix I | 7-8 |
| Appendix II | 9-16 |
| Total Number of Pages | 16 |

REVISION SUMMARY - The following changes have been made to this Report:

| <u>Date/Project #</u> | <u>Project Handler</u> | <u>Page</u> | <u>Item</u> | <u>Description of Change</u> |
|-----------------------|------------------------|-------------|-------------|------------------------------|
| | | | | NONE |

Report No. 3078155

Issued: June 28, 2005

New Group Asia Construction Material Supply, Inc.

| <u>Report Content:</u> | <u>Numbering</u> |
|------------------------|------------------|
| Cover | 1 |
| Revisions | 2 |
| Main Report | 3-6 |
| Appendix I | 7-8 |
| Appendix II | 9-16 |
| Total Number of Pages | 16 |

REVISION SUMMARY - The following changes have been made to this Report:

| <u>Date/Project #</u> | <u>Project Handler</u> | <u>Page</u> | <u>Item</u> | <u>Description of Change</u> |
|-----------------------|------------------------|-------------|-------------|------------------------------|
| | | | | NONE |

New Group Asia Construction Material Supply, Inc.

PRODUCT DESCRIPTION

PRODUCT COVERED

The product covered is a Rubber Slate shingle:

PRODUCT DESCRIPTION

The product evaluated is a Composite roof shingle. It is moulded from natural slate for a length of approximately 9 inches in length, the tile has a slate like pattern from moulding. Other than adjustment lines the next 7 ½ in is textureless. Nail positioning is identified by two circles with the mention "nail here" (one of the moulds shows 'nial' on the left end side. Alignment marks permit preset overlap between 5 ½ to 7 ½". Tile also has side spacers of ¼".

Tile widths: 12 inches

Tile thickness at butt end: approximately 1/8 in.

Tile length: 16 ½" inch

New Group Asia Construction Material Supply, Inc.

TEST PERFORMANCE

A representative sample of the product was tested in accordance with the Standard for UL 2218 - May 31, 1996 Impact Resistance of Prepared Roof Covering Materials.

Unless otherwise specified, tests are performed at 23°C and 50% room humidity.

TEST PROCEDURE

The product was applied to a 3 ft x 3 ft test deck framed with trade sized 2x4 and sheathed with 15/32" plywood, in accordance with UL 2218 and installation was done according to instructions found on the "New Group Asia" web site (see Appendix II).

No adhesive was used.

Testing was done in accordance with UL 2218 using the requirements of Class 4 in section 5.4. Class 4 specifies two coincident impacts from a 2-inch diameter steel ball, dropped from a height of 20 feet above the test sample. Six impact locations were selected on the prepared sample including those determined as being the most vulnerable. Refer to data sheet in Appendix I for Drop Locations.

TEST RESULTS

After impacting the assembly, a visual inspection was made and the following was found.
No tearing, cracking, splitting, rupturing, crazing or damage to tiles (shakes) at point of impact
No evidence of opening of the roof covering
No damage to underlying tiles (shakes)

Meets Class 4 Requirements.

Results of the tests indicate the specimens conform to applicable test criteria.
The test videos of the actual impact were made and are available on CD ROM.

New Group Asia Construction Material Supply, Inc.

EQUIPMENT USED

List of instruments and equipment used during testing :
Calibration records are kept in file for future reference. The calibration matrix of all equipment meets the requirement of ISO 17025.

| Description | Number | Calibration date |
|--------------------|---------------|-------------------------|
| Measuring Tape | 180-189 | -- |
| Scale (Mettler) | 180-280 | July 10, 2005 |

New Group Asia Construction Material Supply, Inc.

CONCLUSION

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the Standard for UL 2218 - May 31, 1996 Impact Resistance of Prepared Roof Covering Materials.

Test performed by :



Martine Bourbonnais, P. Eng
Certification & Physical Testing

Report written by :



Ghislaine Leduc
Building Materials Report Writer
Certification & Physical Testing

Report reviewed by :



Claude Pelland, P. Eng.
Regional Manager
Certification & Physical Testing

APPENDIX 1
LOCATION OF IMPACT

New Group Asia Construction Material Supply, Inc.

