

TESTING REPORT

INTERTEK TESTING SERVICES NA INC.

1829-32ND AVENUE

LACHINE, QUEBEC, H8T 3J1

Job No.3116759

Issued: June 1, 2007
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REPORT NO. 3116759

INSPECTION, TESTS AND EVALUATION
OF A
EXPANDED POLYSTYRENE TYPE III

RENDERED TO

Truefoam Ltd.
Darmouth NS

GENERAL: This Report presents the results of the inspection, tests and evaluation of the above-mentioned products for compliance with applicable requirements of the Standards indicated below. This investigation was authorized by Mr. Ross Hudder through Purchase Order No. 500020033, dated February 2nd, 2007. The investigation began on March, 2007 and is still in process. Prototype samples in good condition were received and tested at Intertek's Lachine facility.

Standard
ULC CAN/ULC-S701-2005

Applicant: Truefoam Limited
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Darmouth NS B3B 1L8

Contact: Mr. Ross Hudder
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Manufacturer: Same as Applicant

Contact:
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<u>Report Composition:</u>	<u>Numbering</u>
Cover	1
Revisions	2
Main Report	3-6
Total Number of Pages	6

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

3116759
TRUEFOAM LIMITED

PRODUCT DESCRIPTION

PRODUCT COVERED

The product covered is type III expanded polystyrene.

PRODUCT DESCRIPTION

Product evaluated is an expanded polystyrene type III, white color, fabricated with BASF, KF362 bead.

Manufacturing process is:

Raw material is expanded, cured, molded in block then cut into finished product.

TEST PERFORMANCE

A representative sample of the product was partially tested to the applicable requirements of the ULC-S-701-2005 Standard.

CONDITIONNING:

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

TEST PROGRAM

The following tests were performed and completed:

CHARACTERISTICS	TYPE III (KF362)	
	Measured	Required
Thermal resistance, min.m ² .C/W (25mm thickness)	0.75 m ² .C/W	0.74 min.
Water vapor permeability, maximum, ng/Pa.s.m	113.5	130 max.
Dimensional stability	-0.3%	1.5% max
Flexural Strength	555 Kpa	300 min.
Water absorption	0.33%	2.0%max.
Compressive strength	204Kpa	140 min.
Oxygen index	30.1%	24% min

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 due date	Measurement Uncertainty
Caliper	180-431	June 2007	$\pm 0.0006''$
Universal Tester Loydd	180-093	October 2007	$\pm 1.0N$
Block	180-391	Before use	N/A
Scale	180-170	February 2008	$\pm 0.0001g$
Dial Indicator	180-235	June 2007	$\pm 0.0019''$
Scale	180-280	August 2007	$\pm 0.05g$

CONCLUSION

A representative sample of the product covered by this report has been evaluated and results are in compliance with the applicable requirements of the ULC-S-70-2005 Standard.

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