



CLIENT: GACO WESTERN INC.
18700 South Center Parkway
Tukwila, WA 98188
Attn: Narciso De La Cruz

Test Report No: 554440

Date: February 23, 2006

SAMPLE ID: The following test material was submitted and identified by the Client:
A) 0.5 pcf (8 kg/cu m) SPF Urethane Foam approximately 3 inches (76 mm) thick by 12 inches (305 mm) square.
B) 0.5 pcf (8 kg/cu m) SPF Urethane Foam approximately 5 inches (127 mm) thick by 12 inches (305 mm) square.

DATE OF RECEIPT: The sampled material was entered into SGS U.S. Testing Company sample tracking system on February 7, 2006 and was assigned Sample Tracking Number 39845.

TESTING PERIOD: February 20, 2006.

AUTHORIZATION: Signed order confirmation dated February 23, 2006.

TEST REQUESTED: Perform air permeance tests on the submitted sample in accordance with ASTM E 283-04, "Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen".

TEST PROCEDURE: Each sample was individually placed in the test apparatus and the air flow through the specimens recorded at 1.56, 3.12 and 6.24 psf (75, 149, and 299 Pa) increments.

TEST RESULTS: The results of this test are provided on page 2 of this report.

Signed for and on behalf of
SGS U.S. Testing Company Inc.


Larry Burmer
Supervisor, Materials & Engineering

Page 1 of 2

This report is issued by SGS U.S. Testing Company Inc. under its General Conditions for Testing Services (copy available upon request). SGS U.S. Testing's responsibility under this report is limited to proven negligence and will in no case be more than the amount of the testing fees. Except by special arrangement, samples are not retained by SGS U.S. Testing for more than 30 days. The results shown on this test report refer only to the sample(s) tested unless otherwise stated, under the conditions agreed upon. Anyone relying on this report should understand all of the details of the engagement. Neither the name, seals, marks nor insignia of SGS U.S. Testing may be used in any advertising or promotional materials without the prior written approval of SGS U.S. Testing. The test report cannot be reproduced, except in full, without prior written permission of SGS U.S. Testing Company Inc.



CLIENT: GACO WESTERN INC.

Report No.: 554440
Date: February 28, 2006
Page 2 of 2

AIR PERMEANCE TEST PER ASTM E 283-04

Results:

<u>Test Specimen</u>	<u>Test Pressure</u>		<u>Air Permeance</u>	
	<u>(psf)</u>	<u>(Pa)</u>	<u>(cfm/sq. ft.)</u>	<u>(L/s/sq.m)</u>
3" Thick	1.56	75	0.04	0.0017
	3.12	149	0.05	0.0022
	6.24	298	0.06	0.0026
5" Thick	1.56	75	0.01	0.0004
	3.12	149	0.02	0.0009
	6.24	298	0.03	0.0013

End of Report

~~4' x 8' Panel~~
~~? Backing for Foam~~

Good
Weat

Attn: Larry Burmer

E 283

Joyance
5.25"
3.25"

