

BRINC BUILDING PRODUCTS TEST REPORT

SCOPE OF WORK

ASTM E283 AND ASTM E331 TESTING ON THERMALTIGHT R5 PLUS THERMALBUCK W0510
FOR WINDOW INSTALLATION WRB / AIR BARRIER SYSTEM

REPORT NUMBER

J8730.01-109-44

TEST DATE

07/29/19

ISSUE DATE

08/14/19

RECORD RETENTION END DATE

07/29/23

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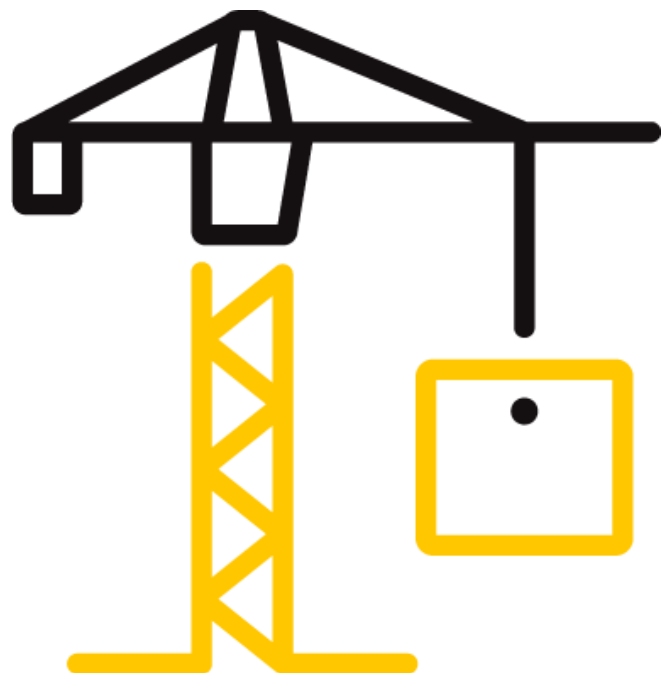
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TEST REPORT FOR BRINC BUILDING PRODUCTS

Report No.: J8730.01-109-44

Date: 08/14/19

REPORT ISSUED TO

BRINC BUILDING PRODUCTS

1270 Route 66

New Bethlehem, Pennsylvania 16242

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Brinc Building Products to perform testing in accordance with ASTM E283 and ASTM E331, on their ThermalTight R5 plus ThermalBuck W0510 for window installation WRB / Air Barrier System. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY:	Andrew P. Mehalick	REVIEWED BY:	Timothy J. McGill
TITLE:	Technician – Product Testing	TITLE:	Manager – Product Testing
SIGNATURE:		SIGNATURE:	
DATE:	08/14/19	DATE:	08/14/19

APM:wnl

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Installation: A 1" thick Type II Neopor foam board with an adhered WRB/Air Barrier was placed onto the test wall. One 1-3/4" lap ran vertically at the midspan and one 2" lap ran horizontally 24" below the top of the test wall. The assembly was secured to the wall using 2" 6d ring shank cap nails. The nails were spaced in the field 16" square and spaced along the edge 16" on center. All nails went through the foam board with adhered WRB, sheathing, and into the studs.

SECTION 7

TEST RESULTS

The temperature range during testing was 27°C - 28°C (80°F - 82°F). The results are tabulated as follows:

Test Specimen #1:

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Water Penetration, per ASTM E331 at 299 Pa (6.24 psf)	Pass	No leakage	1

Test Specimen #2:

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Air Leakage, Infiltration per ASTM E283 at 75 Pa (1.57 psf)	0.01 L/s/m ² (0.001 cfm/ft ²)	0.02 L/s/m ² (0.004 cfm/ft ²)	2
Air Leakage, Exfiltration per ASTM E283 at 75 Pa (1.57 psf)	0.01 L/s/m ² (0.001 cfm/ft ²)	0.02 L/s/m ² (0.004 cfm/ft ²)	2
Air Leakage, Infiltration per ASTM E283 at 300 Pa (6.27 psf)	0.02 L/s/m ² (0.004 cfm/ft ²)	Report only	3
Air Leakage, Exfiltration per ASTM E283 at 300 Pa (6.27 psf)	0.01 L/s/m ² (0.001 cfm/ft ²)	Report only	3

General Note: All testing was performed in accordance with the referenced standard(s).

Note 1: The test load was held for a duration of two hours.

Note 2: Test Date 07/29/19 / Time: 9:30 AM

Note 3: Test Date 07/29/19 / Time: 11:30 AM

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SECTION 8

LOCATION OF AIR SEAL

The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and creating a seal.

