



香港幕牆檢測中心有限公司
Hong Kong Curtain Wall Testing Centre Ltd.

Unit 1207, 12/F, Block A, New Trade Plaza, 6 On Ping Street, Shatin, N.T., Hong Kong.
Tel: (852) 2687 6122 Website: www.curtainwalltest.com
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Customer : Nabtesco Corporation
Address : JA Kyosai Bldg., 7-9 Hirakawacho 2-Chome,
Chiyoda-Ku, Tokyo 102-0093, JAPAN
Project : Air Permeability of Automatic Sliding Hermetic Door
Test Specimen : NABCO NAX Automatic Sliding Hermetic Door

Report No. : CW-0876R13577
Page : 1 / 8
Date of Test : 13 November 2017
Date of Issue : 5 December 2017

Test Report

A sliding hermetic door unit for the above project was delivered & installed at our laboratory by the customer in November 2017 for testing.

The following test was conducted on 13 November 2017 with the test results recorded in the following table.

Item	Tests & Sequence	Testing Standard or Specification	Compliance
1	Test for Air Permeability	BS EN 12207:2000 – Class 4 & BS EN 1026:2000 - Outward direction, classification based on the overall area - Inward direction, classification based on the overall area - Outward direction, classification based on the length of opening joints - Inward direction, classification based on the length of opening joints	Yes Yes Yes Yes

Refer to Appendix A to C for details of the test specimen, test methodology, performance requirements & test results which form part of this report.

Tested by : Mr. Lai Chun Yip

Checked by :

Approved
Signatory :

Mr. Leung Cho Ming, Albert



Hong Kong Accreditation Service (HKAS) has accredited this laboratory (Reg. No. HOKLAS 109) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. The results shown in this test report were determined by this laboratory in accordance with its terms of accreditation.

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Page : 2 / 8

Appendix A Testing Information

A.1 Test Information

A typical unit of automatic sliding hermetic door of 3800mm wide x 2600mm high was selected for the test. The full size specimen was installed in a steel testing chamber to simulate the site installation conditions. The test specimen was constructed with full size sections according to the shop drawing and was verified by the customer before the test. The automatic sliding hermetic door was fixed to the steel chamber by the Customer.

A.2 Test specimen information supplied by door supplier Nabtesco Corporation

2.1 Construction details

The test specimen was constructed with full size sections and was verified by the customer before the test. Refer to the drawings provided by window supplier attached for details.

2.2 Material details of door panel

Skin	- Aluminium alloy plate, white paint finish
Core	- Aluminium Honeycomb core
Reinforcing frame	- Aluminium extruded material
Glass	- 8mm thk. tempered glass
Handle	- Recessed handle

2.3 Vent hardware

Door bottom sealing	- EPDM rubber
Door vertical & top sealing	- Three-sided jamb: Aluminium extruded material (Alumite treatment) with EPDM rubber
Rail base, Front cover & side cover	- Aluminium extruded material (Alumite treatment)
Automatic System	- NABCO Automatic Door System for NAX

A.3 Laboratory Information

3.1	Laboratory	- DD77, Lot 328, Ping Yuen Road, Ping Che, Fanling, N.T., Hong Kong		
3.2	Calibration	- All measuring equipment is calibrated with certificates traceable to National Standards.		
		Pressure	Air flow	
	Test Standards	BS EN 1026, 1027, 12211	BS EN 1026	
	Tolerance	±5%	±5%	
3.3	Test Specimen Representation	- The test specimen as received, assemble & installed by the customer was tested by the Hong Kong Curtain Wall Testing Centre Limited, and the test results shown in the test report relate to the tested specimen only.		
3.4	Schedule	Test specimen installed in November 2017	Test(s) commenced on 13 November 2017	Test(s) completed on 13 November 2017
3.5	Environment	Laboratory Temperature: 22.6°C	Atmospheric Pressure: 1015 mbar	Relative Humidity: 74%



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Report No. : CW-0876R13577
Page : 3 / 8

A.4 Witness

4.1 General Contractor Representative

Mr. Ma Shengjie
NABCO (Beijing) Limited

4.2 Manufacturer Representative

Mr. Chan Bing Lam
Nabtesco Corporation

4.3 Laboratory

Mr. Lai Chun Yip
Hong Kong Curtain Wall Testing Centre Ltd.



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