



Glacier Series[®] Operable Glass Louvres



Louvreclad's Glacier Series[®] permits optimum free airflow when fully open and its blade cladding options allow for varying levels of natural light.

Distinctive Features:

- Available complete with all hardware
- Installed using standard extruded sub-sills and head channels for a commercial finish
- Weatherstrip seals on mullions
- Various blade cladding options
 - Polycarbonate (clear or opaque)
 - Glass (clear or opaque)
 - Fibre glass
 - Pressed sheetmetal (profiled sheeting)
 - Aluminium sheet

Attention to Detail:

- 83% free open area - fully open
- Maximum blade span: 2400mm
- Blade pitch is variable (typically 300mm - 400mm)
- R_w rating of 21



FREE AIRFLOW AND NATURAL LIGHT



Thinking outside for inside performance

DRAFT SPECIFICATION

Louvres will be Louvreclad Glacier Series® with 83% free open area when fully open.

Base Material & Finish

Louvres will be manufactured in [powder coated/anodised] aluminium finish in [state colour]

Accessories

Louvres will be fitted with [nominate options/accessories from the selection].

Operation Method

The operation method will be [electric motor/manual winder/pneumatic motor/other - choose method]

Control System

Automated Control will be by [specify sensors and control system] [if required]

Installation And Mounting

Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad Pty. Ltd. Phone: 1300 165 678 Email: sales@louvreclad.com

Base Material Options

- Extruded Aluminium

Blade Material Options

- Glass - [clear or tinted]
- Aluminium sheet
- Polycarbonate - [flat or profiled], [specify profile, thickness and colour]
- Fibre glass
- Pressed sheetmetal [profiled sheeting]

Finishes Available

Choose from the following range of finishes:

- complete powder coated range
- complete anodised range

Specialised coatings are also available on request.

Accessories

- Rain sensors
- Security screens and bars
- Volume control dampers
- Fire and smoke dampers
- Dust filters

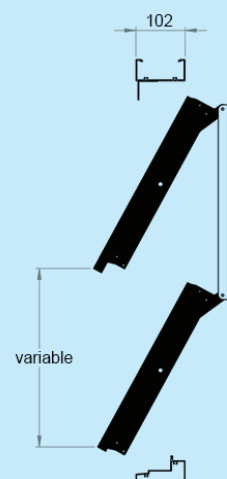
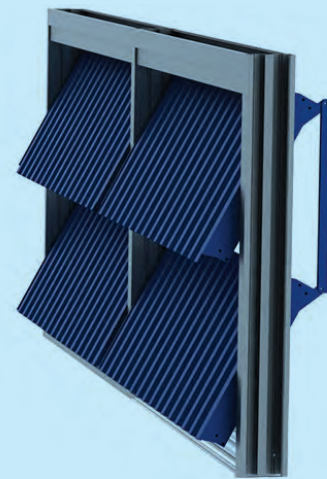
Operating Options

If specifying operable louvres please nominate the operating system from the following:

- remote winder control
- electric actuator
- pneumatic motor

**** Manual hand operation options [on Louvreclad operable Louvres] is only available when the louvres are accessible from behind.*

PROFILES



DAY DESIGN

PRESSURE DROP TEST CERTIFICATE

Test 4203A-P



Test Specimen:

Glacier Series Louvre

Test Specimen Dimensions:

1800 mm (H) x 1200 mm (W) x 350 mm (D)

Specimen Specifications:

82% Open Area per Module

Blades @ 328 mm Pitch

Throat Height @ 268 mm

Test Location:

Twin Reverberation Rooms

National Acoustic Laboratories

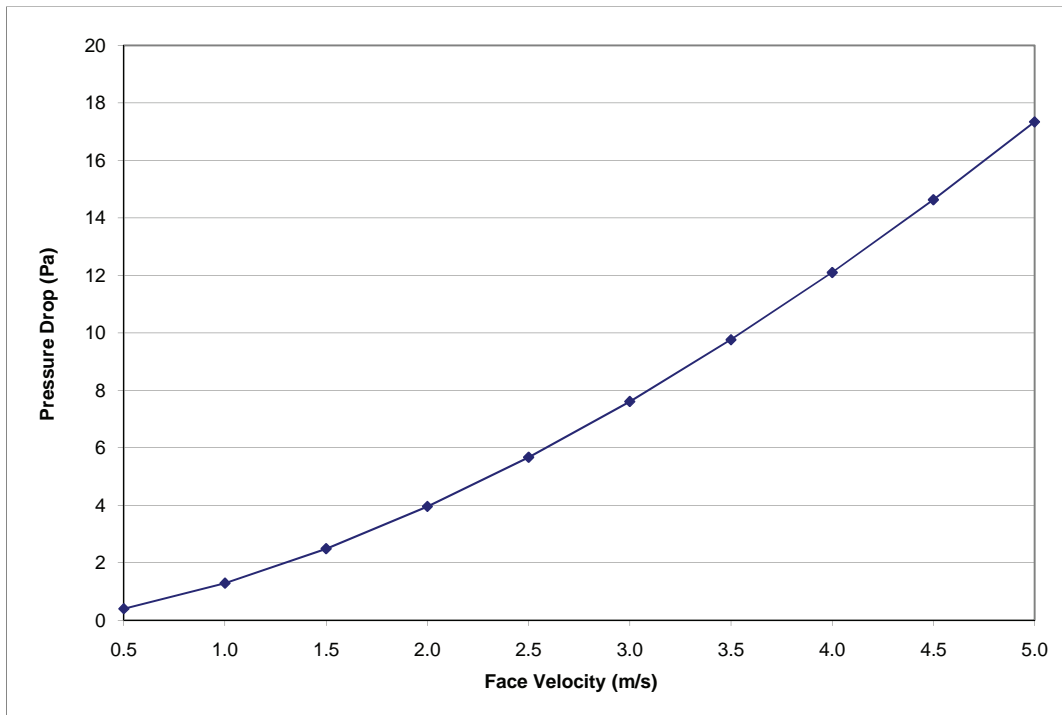
126 Greville Street, Chatswood NSW

Instrumentation:


- Vaisala Digital Barometer (Type PTB201AD)

- Kestrel Anemometer (Model K2000)

Face Velocity (m/s)	Pressure Drop (Pa)
0.5	0.4
1.0	1.3
1.5	2.5
2.0	4.0
2.5	5.7
3.0	7.6
3.5	9.8
4.0	12.1
4.5	14.6
5.0	17.3



Date of Test: Wednesday, 19 August 2009
Project Number: 4203A-P

Test Engineer: 
 Alex Li, BE(Mech) Hons
 For and on behalf of Day Design Pty Ltd

DAY DESIGN

ACOUSTIC LOUVRE INSERTION LOSS TEST CERTIFICATE

Test 4203A



Test Specimen:

**Glacier Series
Glass Blade Operable Louvre**

(6.38 mm thick laminated glass - closed configuration)

Australian Standards:

Measured according to AS 1191-2002

Test Specimen Dimensions:

1800 mm (H) x 1200 mm (W) x 45 mm (D)

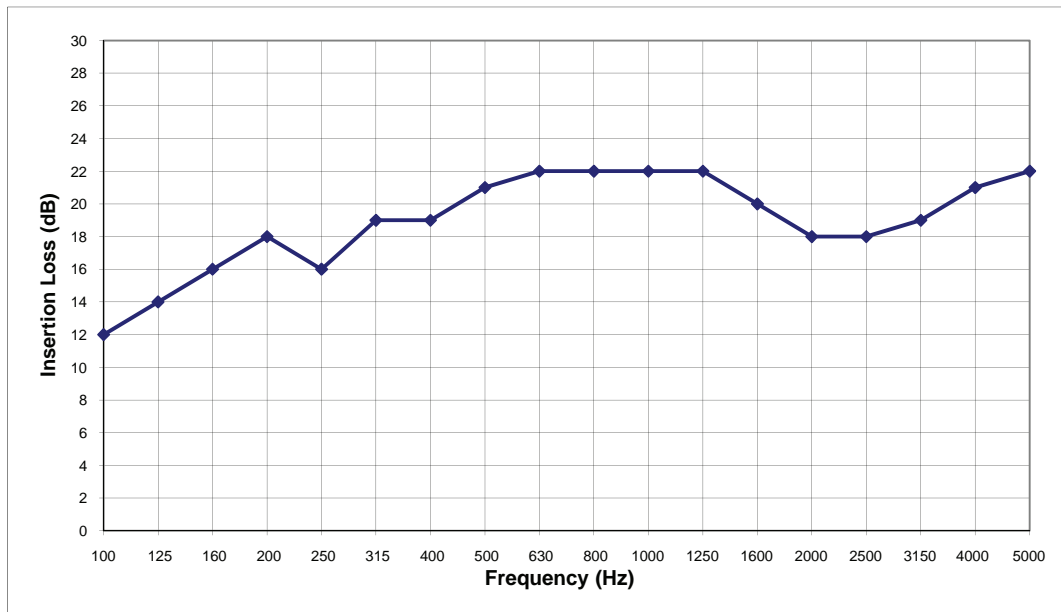
Test Location:

Twin Reverberation Rooms
National Acoustic Laboratories
126 Greville Street, Chatswood NSW

Instrumentation:

- Brüel and Kjær Two Channel Pulse Analyser (assembly 2825, 7521, 2 x 3015)
- Brüel and Kjær Cathode Follower type 2639
- Brüel and Kjær Cathode Follower type 2669
- Brüel and Kjær Microphone type 4144
- Brüel and Kjær Microphone type 4179
- Brüel and Kjær Sound Level Calibrator type 4231
- Yamaha Professional Sound Sources type S50

Frequency - Hz	Insertion Loss - dB	
	1/3 Octave	1/1 Octave
100	12	
125	14	14
160	16	
200	18	18
250	16	
315	19	
400	19	21
500	21	
630	22	
800	22	22
1000	22	
1250	22	
1600	20	
2000	18	19
2500	18	
3150	19	
4000	21	20
5000	22	




Date of Test: Thursday, 20 August 2009
Project Number: 4203A

Test Engineer: Alex Li, BE(Mech) Hons
For and on behalf of Day Design Pty Ltd



WOULD YOU LIKE TO KNOW MORE?

If you have any questions about this product, or if you would like to speak to a member of our expert team about how we can tailor a solution for you, call: **1300 165 678** or visit: louvreclad.com