

Sierra Series[®] Louvered Screens



Louvreclad's Sierra Series[®] provides a modern and stylish screen for building facades and other applications that require large blade spans and high-strength screens.

Distinctive Features + Diverse Applications + Multitude of Benefits:

- Ideal for operable applications
- Blades can be mounted vertically and horizontally at any angle
- Suitable for continuous applications with concealed mullions

Attention to Detail:

- Maximum blade span: 3000mm
- Unique diamond profile
- Pressure Drop Tested
- Designed, engineered and certified for incidental live load.



**LARGE BLADE SPANS
& HIGH STRENGTH**



Thinking outside for inside performance

DAY DESIGN

PRESSURE DROP TEST CERTIFICATE

Test 4203M-P



Test Specimen:

Sierra Series Louvre

Test Specimen Dimensions:

1800 mm (H) x 1200 mm (W) x 141 mm (D)

Specimen Specifications:

48% Open Area per Module

Blades @ 145 mm Pitch & 45° angle

Throat Height @ 86 mm

Test Location:

Twin Reverberation Rooms

National Acoustic Laboratories

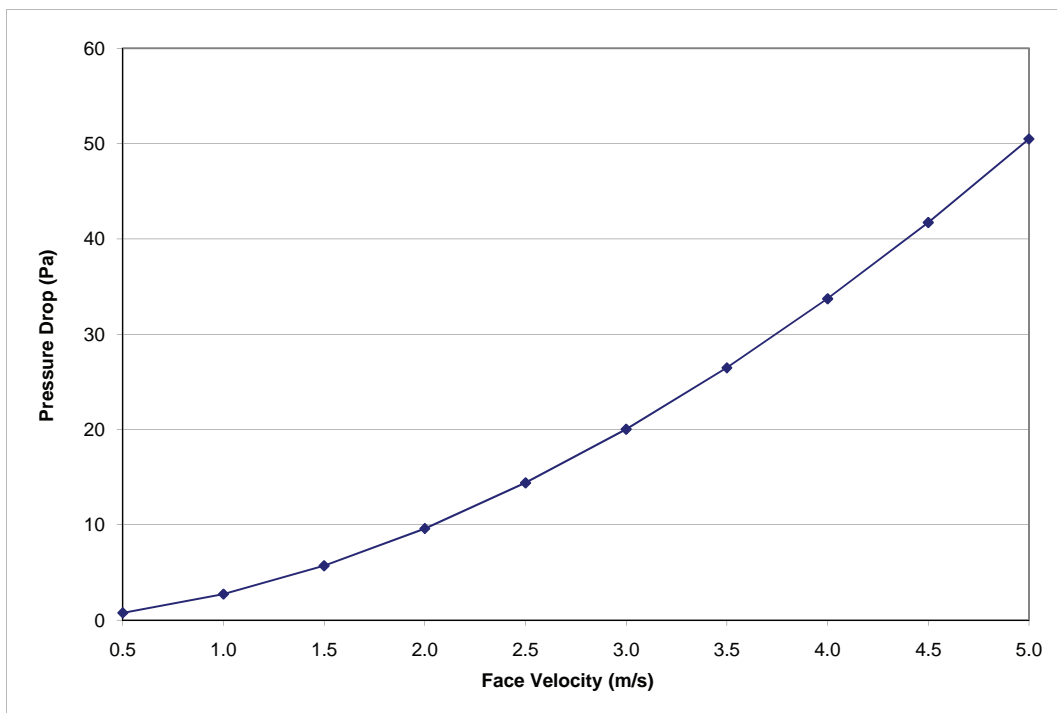
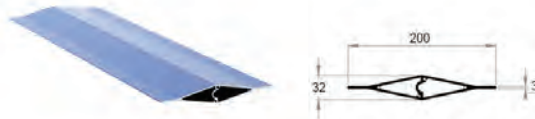
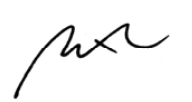
126 Greville Street, Chatswood NSW

Instrumentation:

- Vaisala Digital Barometer (Type PTB201AD)

- Kestrel Anemometer (Model K2000)

Face Velocity (m/s)	Pressure Drop (Pa)
0.5	0.8
1.0	2.8
1.5	5.7
2.0	9.6
2.5	14.4
3.0	20.0
3.5	26.5
4.0	33.7
4.5	41.7
5.0	50.5

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

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

DRAFT SPECIFICATION

Screens will be Louvreclad Sierra Series®. Blades will be _____
[Operable/Fixed] if fixed [state pitch] mm pitch at [state angle]° angle.

Base Material & Finish

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

Operation Method (if applicable)

The operation method will be [Electric Motor/Manual winder/other - choose method]

Control System (if applicable)

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

Accessories (if applicable)

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

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

Finishes Available

Choose from the following range of finishes:

- complete powder coated range
- complete anodised range

Specialised coatings are also available on request.

Operating Options

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

- remote winder control
- electric actuator

Accessories

Rain sensors: Screens can automatically close against rain.

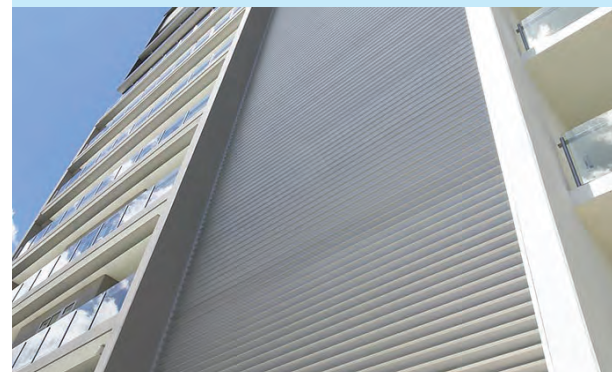
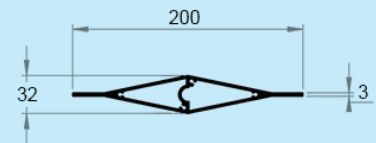
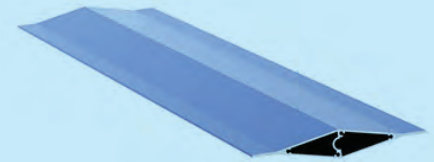
Light sensors: Optional sensor controls can be set to automatically tilt the Louvreclad screen blades to shield the building's interior from glare or direct sunlight.

Wind sensors: Wind sensors will provide additional flexibility in response to shifting weather patterns and wind gusts.

Temperature sensors: Screen controls can be set to respond to ambient interior temperatures and adjust angle and tilt to shade the interior or admit more warming sunlight.

Timers: Pre-set opening, closing and tilting configurations.

PROFILES



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**