



MondoClad

A WEATHERPROOFING SOLUTION
THAT'S WATERTIGHT





MondoClad.

MONDOCLAD® SOLID ALUMINIUM CLADDING SYSTEM

A key focus in the building industry today, weatherproofing refers to the process of making a building capable of withstanding the effects of weather, without damage. It's an essential aspect of any construction.

Architects, builders and engineers alike are increasingly concerned with the structural resilience of buildings and are placing a growing importance on making their constructions more durable and safer all round. Never has a building's ability to withstand the forces of nature been so important as in recent years.

The building industry has seen an increase in concern about condensation issues in colder regions of Australia while, globally, the cost of materials is rising, and sustainability continues to be a major concern.

That's why more and more, the entire construction industry is looking to create buildings that last.

Proper weatherproofing helps avoid undue dampness and deterioration of building elements, as well as prevents unhealthy or dangerous conditions developing inside the building that could affect the wellbeing of its occupants. Not only does weatherproofing minimise the chance of problems occurring once construction is finished, it keeps maintenance costs down for years to come.

The question is, how can we be sure the system we employ is completely weatherproof?

To answer that, HVG Facades put its premium weatherproof cladding system - MondoClad - to the test.

FULLY WEATHERPROOF

Rain, hail, wind or shine

HVG Facades is proudly leading the market in the testing of its premium weatherproof cladding system – MondoClad. A solid aluminium panel solution that passed all the compliance requirements of the NCC 2019 Weatherproofing Verification Methods V2.2.1 and FV1 with ease.

HVG Facades commissioned tests that were conducted independently by a NATA certified laboratory. Using the fixed cassette method, MondoClad was first attached to the test rig and then subjected to a series of tests involving extremes of water pressure and high winds.

During testing, water was sprayed from a distance of 1 metre and pressure was applied continuously across the surface.

When all tests were completed, there was no evidence of cracking or fatigue, no leakages were found, no water was detected on the inside surface of the façade, and there were no signs of water pooling.

The MondoClad wall cladding specimen passed all the compliance requirements. A building that's clad with MondoClad is ready to face the elements.

TEST METHODS AND RESULTS

NCC 2019 Weatherproofing Verification Methods V2.2.1 and FV1 were applied. Test procedures in line with Australian Standard AS/NZ 4284:2008 were conducted in the following sequence:

Test	Method	Result
Static Pressure Wind Load Test	Pressures were applied to the external face of the façade for periods of 1 minute each	Loads were sustained – no visible evidence of any cracking in the cladding
Static Pressure Water Test	A water penetration test was carried out at a static pressure of 450 Pa for a period of 15 minutes	No leakage through the cladding system was observed on the indoor side of the sarking
Cyclic Pressure Water Test	Water penetration tests were carried out at cyclic pressures of: <ul style="list-style-type: none"> • 225–450 Pa for 5 minutes • 300–600 Pa for 5 minutes • 450–900 Pa for 5 minutes 	No leakage through the cladding system was observed on the indoor side of the sarking during all three stages



The full report is available for specific project applications.

For further details, contact **1300 881 712** or technical@hvgfacades.com.au





A NAME YOU CAN TRUST

HVG Facades distributes a wide range of premium, non-combustible, aluminium and external wall cladding systems for the construction industry. Our products are used in a variety of exterior cladding applications including commercial, education, aged care, medical, government, community, multi-residential, as well as a multitude of recladding applications.

Our clients have come to rely on HVG Facades as their supplier of choice thanks to the high level of support we provide at every stage - from specification through to installation. Our breadth

of knowledge and technical expertise covers our products, as well as all corresponding NCC requirements. And our range is backed by NATA approved testing that doesn't just meet conditions, it surpasses them, for extra peace of mind.

HVG Facades currently stocks a variety of weatherproof cladding ranges that offer superior fire performance, low maintenance and proven durability in the harsh Australian environment.

For more information, contact **1300 881 712** or **technical@hvgfacades.com.au**



By **HVG** façades

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