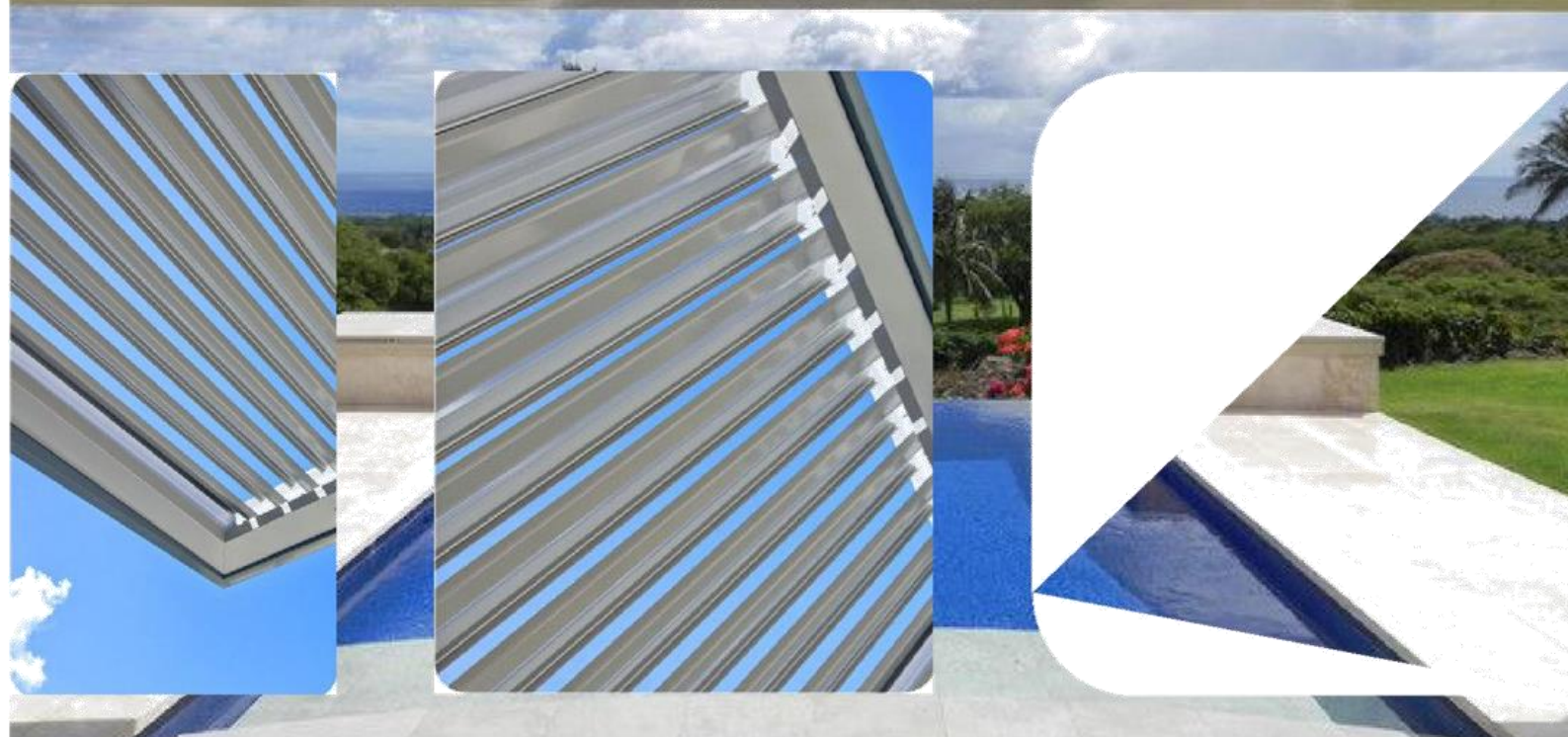




INTRODUCING THE ALL ALUMINIUM
OPENABLE ROOF FROM CITADEL – *ALUCIT*

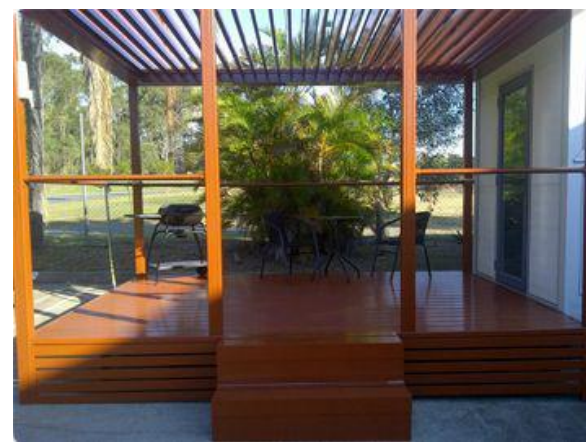


About Us

ALUCIT Openable Roofs, also known as the Aluminium *louvered roof system* provided by Citadel Building System Pvt. Ltd. A Company dedicated to offer unique and perfect roofing solutions catering for a variety of customer demands in the market today.

ALUCIT Openable Roofs System is constructed entirely from aluminium and stainless steel. It has been specifically designed to meet all environments, especially the harsh demands of coastal environment.

The **ALUCIT Openable Roof** takes control of sun, shade and light as well as providing ventilation and rain protection. It's ideal for any outdoor living area such as patios, decks, verandas, courtyards, outdoor kitchen, swimming pools and spas.



Features & Benefits:

100 Degree Rotation: The **ALUCIT Openable Roof** is a weather louver system that has nearly 100 degree rotation. At the push of a button it gives you complete control over sun or shade.

Rain Protection: The louvers are designed such that they will automatically interlock when it starts raining (with the use of a rain sensor). The overlapping of louver blades ensures the water tightness thus preventing any leakage.

Solid Aluminium Construction : The solid extruded aluminum louvers are extruded from architectural grade aluminium alloy at a nominal thickness of 1.2mm and 2.0mm. for years of trouble free service and the system comes with a 5 Year Warranty.

Ventilation Control: During summer days when hot air rises, you can leave the louvers partially opened. Tilt the louvers such that the sun is blocked but the warm air can escape through the opening at the louvers thus keeping the place cool.

Heat Control: The **ALUCIT Openable Roof** can be turned to the desired direction with hand held remote control to prevent direct sunlight falling on your outdoor entertainment area thus preventing unwanted solar heating which in turn will save you on the air-conditioning bills.

Light Control : The Openable roof louvers can be tilted to desired angle to reflect the right amount of natural light into a building, illuminating the area without the need of electrical lighting, thus provide energy saving.

Options Available:

Framing Options: Our Openable roof system can be fitted within most existing frameworks.

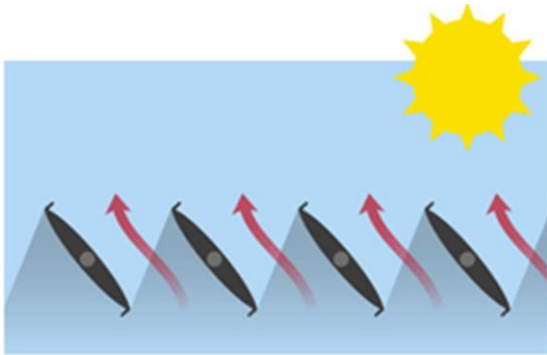
Lighting Options: Energy saving LED down lights incorporated into the decorative gutter during construction.

HOW IT WORKS / RANGE OF MOTION :



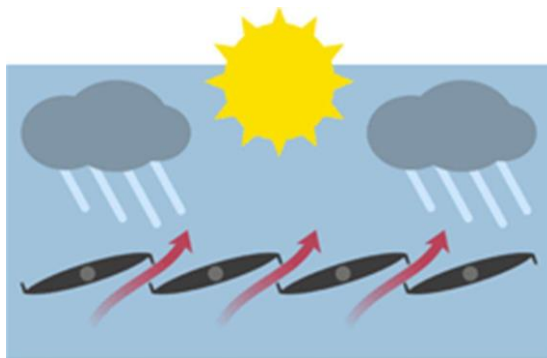
All Available Sun

In winter or cooler weather enjoy the natural warmth of sunlight by tilting the louvers to the desired angle with the touch of your remote control.



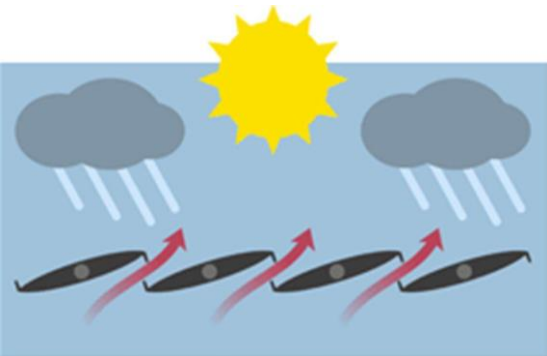
Ventilation with Sun Shade

When hot air rises, you can leave the louvers partially opened. Tilt the louvers such that the sun is blocked but the warm air can escape through the opening of the louvers thus keeping the place cool.



Ventilation with Rain Protection

With louvers opened at a desired angle, protection is still provided for light rain - meanwhile ventilation and shade protection is still achieved.



Closed for Heavy Rain

Louvers are designed such that they will interlock to keep out the weather. Deep channels in each louver carry water away to the in-built surrounding gutter.

LOUVER DETAILS



- Adjustable
- Remote Control Operated
- Open for Ventilation
- Closed for Shade or Rain Shelter
- Made from Extruded Aluminium
- Durable, Powder-coated Finish

ALUCIT Openable Roof comes with two optional louvres shapes as shown below :

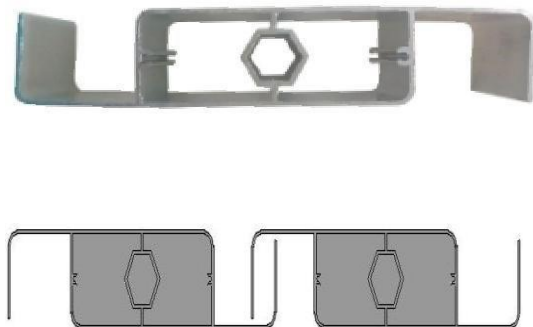
200mm Louver Blade



Aerofoil Type Specification	
Width/Height	200mm/40mm
Thickness	2.0mm
Maximum Span	4200mm
Design	Waterproof Effective

Overlapping Detail (Not To Scale)

150mm Louver Blade



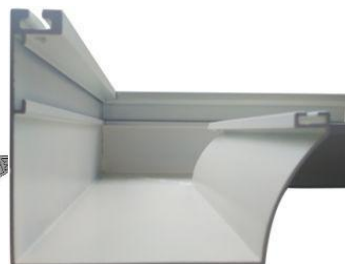
Flat Type Specification	
Width/Height	150mm/30mm
Thickness	1.2mm
Maximum Span	4000mm
Design	Waterproof Effective

Overlapping Detail (Not To Scale)

Main Structural Sections



111mm Aluminum Beam



100mm Aluminum Gutter



100mm/150mm Aluminum Post/Column



Ø72mm Stainless Steel Down Pipe/Spouts

Stainless Steel Componentry



200mm Blade End Cap



150mm Blade End Cap



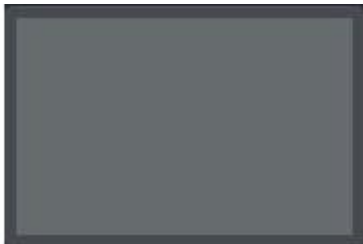
Spring-loaded Pivot Pin

	NO PAINT NEEDED SAVE ON MAINTENANCE		100% COLOUR DEPTH COLOUR WON'T SCRATCH OFF		FLAME RESISTANT PIECE OF MIND
	CORROSION, ROT AND TERMITE PROOF DURABLE & LONG LASTING		EASY MAINTENANCE A SIMPLE WASH FROM TIME TO TIME		FIRST COST IS LAST COST COUNT YOUR SAVINGS FOR YEARS TO COME

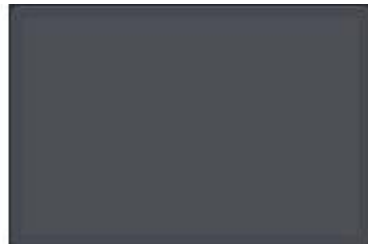
Available Stocked Standard Colors



RAL 1019 Grey Beige



RAL 7012 Basalt Grey



RAL 7016 Anthracite Grey



RAL 7034 Yellow Grey



RAL 7039 Quartz Grey



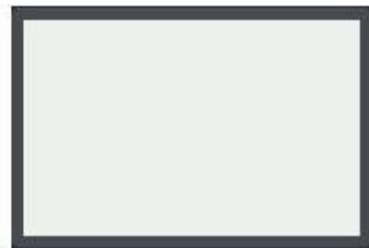
RAL 9006 White Aluminium



RAL 9003 Signal White



RAL 9010 Pure White



RAL 9016 Traffic White

CAN BE PROVIDED IN CUSTOM MADE COLORS AS PER CLIENT'S REQUEST!

Electronic Devices



The louvers are driven by a powerful 24 volt (or optional) DC linear actuator for reliable long life operation.

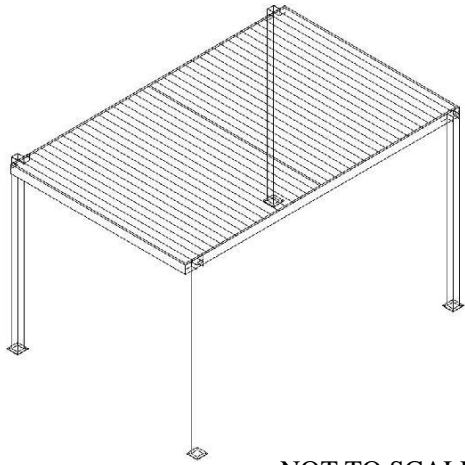
The motor is mounted high above the main beam to ensure protection from rain and pooling water. It is safe to use and remote controlled.



The Rain/Wind Sensor is fitted to the openable roof as a standard fixture, so the louvers automatically close when rain is detected, providing protection from the weather. When the louvers are in the closed position, they form an interlocking profile providing protection from the rain.

Design Options

FREE STANDING

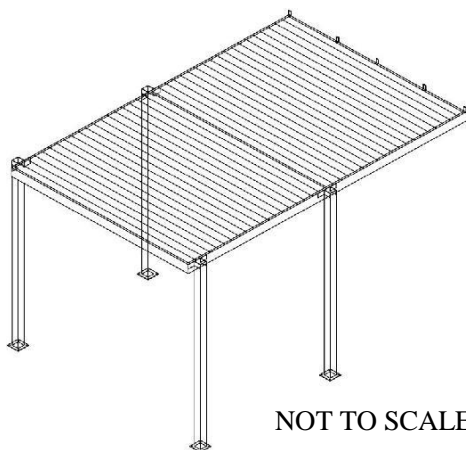


NOT TO SCALE



TYPICALLY ERECTED AS A FREE STANDING UNIT ONLY WITH THE VERTICAL POSTS.

ATTACHED TO EXISTING STRUCTURES



NOT TO SCALE



TYPICALLY SUPPORTED BY 2 OR MORE POST AND USING BRACKET MOUNTED TO EXISTING STRUCTURES.

FAQ

WHAT IS YOUR SYSTEM MADE OF?

Our system is powder coated extruded aluminum with stainless steel components giving us the most durable louvered roof on the market today.

WHAT IS THE LONGEST SPAN OF YOUR LOUVER?

There are two shapes of louver blades available. For the 200mm wide Aerofoil blade, its longest blade spanning capacity can be up to 6 m. As to the 150mm wide flat shaped blade, its maximum spanning capacity is 4 m without sagging. Both are waterproof effective design.

CAN IT BE ATTACHED TO HOST STRUCTURE?

Yes, our system can be attached to an existing structure or erected as a free-standing unit!

WHAT COLOURS DOES YOUR SYSTEM COME?

The Openable Roof features three standard colors options (white, beige and grey) that compliment almost any architecture. Available also in custom colours from RAL color chart for unique application purposes.

Our system has been specifically engineered to withstand hurricane force winds, heavy snow loads, and everything in between. It's durable and can outcompete most of the competitors on the market today!

WHAT ARE THE BENEFITS OF INSTALLING AN OPENABLE ROOF?

Sun shading and rain protection. An Openable roof will make the most of your outdoor space. You can have shade at the touch of a button while still being able to let the sunshine in when it is preferred. With the built in gutter system, you have shelter from the rain as well.

WHAT IS YOUR PRODUCT WARRANTY?

We offer a 5-year warranty on the structure, along with a 1-year warranty on the electronics.

ARE THERE STANDARD SIZES?

Not really, the openable roof system has been designed to be completely flexible so it can be customized to each project. We will assist in designing the length and direction of the louvers to best fit your area.

WHAT TYPES OF FEATURES CAN I ADD TO THE ROOF?

We also offer an integrated LED lighting system, a ceiling fan, an automatic wind/rain sensor that will automatically close the roof when it starts raining. If you have any further ideas we encourage you to share them with us.



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