



AlunoTec®
Build Your Pergola

PVC-S800

RETRACTABLE ROOF PERGOLA

Sun and rain protection for outdoor living space



AlunoTec

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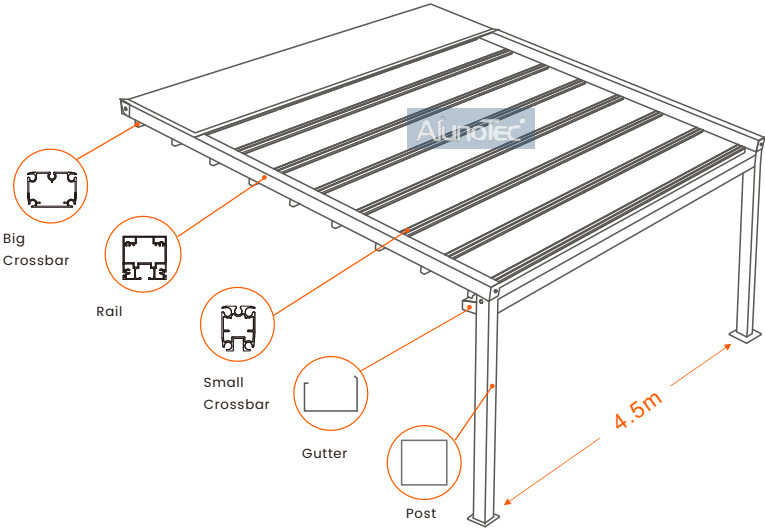
AlunoTec Retractable Roof



Retractable roof system from AlunoTec is a great way to provide all year round weather protection from the elements, with the option of retractable roof and sides screen creating a totally enclosed area. Available in many design options, the retractable roof has a fully retractable canopy cover, which at the touch of a button can be extended to provide shelter, or retracted to take advantage of the good weather. Due to the high tension PVC fabric, the canopy offers a flat surface that guarantees the discharge of rain water.

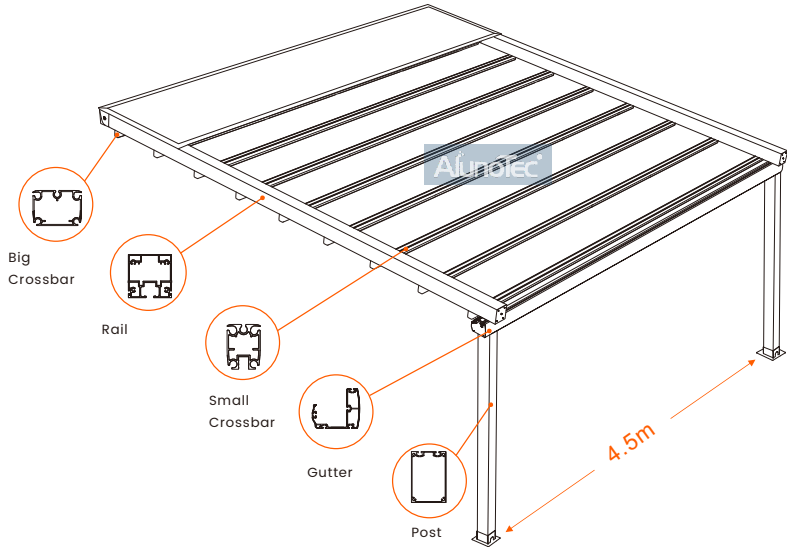
S800-1

S800-1 and S800-2 has a projection from 2.5m to 5.8m up to 4.5m in length (Maximum length between rails).



S800-2

Main characteristics or differences with respect



Main Profiles & Accessories

The specification below is applicable to all design options.

	S800-1	A800-1	S800-2	A800-2
PRODUCT DIAGRAM				
Manual	×	×	×	×
Motorized	✓	✓	✓	✓
Maximum Width	14.76' (4.5m)	14.76' (4.5m)	14.76' (4.5m)	14.76' (4.5m)
Rail Size Within 5.85m	102 x 102mm	×	102 x 102mm	×
Rail Size Within 6-8m	102 x 150mm	102 x 150mm	102 x 150mm	102 x 150mm
Rail Size Within 8.5-12m	127 x 150mm	127 x 150mm	127 x 150mm	127 x 150mm
Gutter	120 x 85mm	120 x 85mm	180 x 150mm	180 x 150mm
Post Size Within 5.85m	102 x 102mm	102 x 102mm	102 x 150mm	102 x 150mm
Post Size Within 6-8m	102 x 102mm	102 x 102mm	102 x 150mm	102 x 150mm
Post Size Within 8.5-12m	127 x 127mm	127 x 127mm	127 x 150mm	127 x 150mm
Inclination	9-15°	9-15°	9-15°	9-15°
Allows Enclosure	Side Screen /Sliding Door	Side Screen /Sliding Door	Side Screen /Sliding Door	Side Screen /Sliding Door
Wind Load	50-70Km/h	50-70Km/h	50-70Km/h	50-70Km/h



PVC Fabric Colors

Total Weight	850 g/ m² - 25.07 oz/sqyd
Base Fabric	100%pes - 1000d x 1000d 9x9/cm
Width	300 cm - 118.11 inches
Composition Fabric	200gm²
Composition Coating	5.9oz/sqyd - 650 g/ m² 19.17oz/sqyd -pcv
Lacquering	1/PVDF embossed
Breaking Strength Warp	3000 N/5cm
Breaking Strength Weft	675 LBS/2inches - 3000 N/5cm 675 LBS/2inches
Tear Strength Warp	300 N
Tear Strength Weft	67 LBS - 300 N 67 LBS
Adhesion	100 N/5cm - 22.5 LBS/2inches
Flammability	Normal FR
Application	Architectural textiles



○ White



● Beige



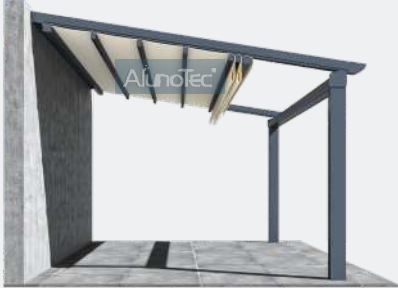
● Grey

Design Options



01

Free Standing



02

Semi-attached



03

Wall Mounted



04

Wall Hanging



05

Free Standing
(More Than 6m Projection)



06

Free Standing & Wall Mounted
(More Than 6m Projection)



07

Freestanding
(Slightly Curved Rail Design)



08

Freestanding
(Sky Dome Arched Rail Design)

Features & Benefits

01



Waterproof

The patented fabric is impermeable to water and moisture.

02



Sun Protection

Protects against UV rays and shields from sunlight.

03



Wind Resistant

The structure can resist up to 110km/h when fully opening the roof top.

04



Non-flammable

The fabric is fire resistant.

05



Thermal Insulation

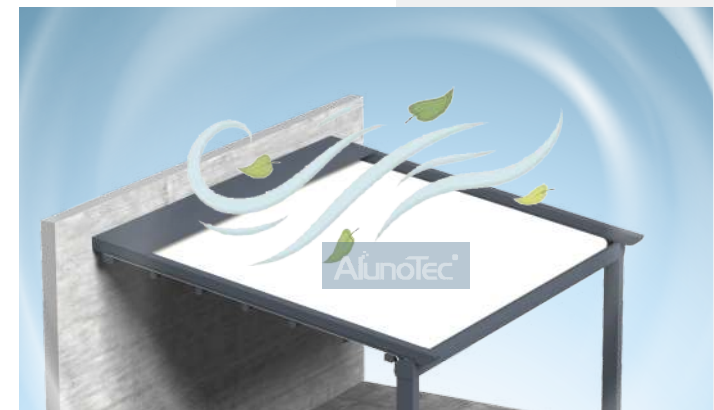
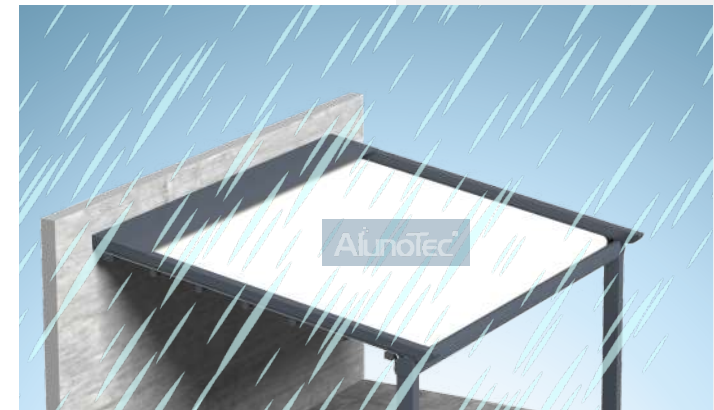
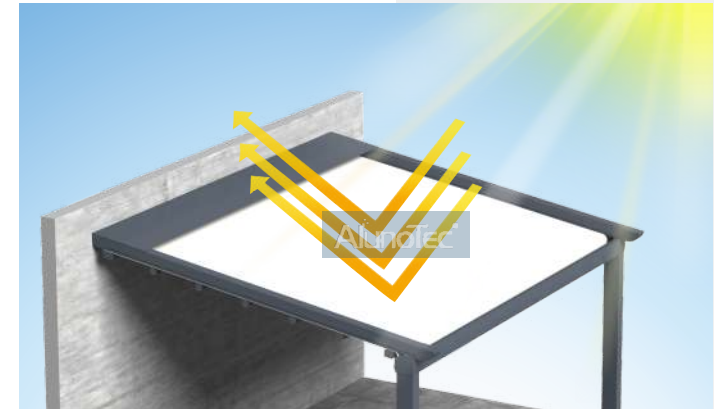
The fabric is multilayered and resistant to temperature changes.

06



Motorised

Retractable motorized opening and closing.



Alunotec

Optional Add-ons



Motorized
Side Screen



Sliding
Glass Doors



Linear
LED Strip Lights



Electric
Heater



WPC
Decking



Retractable Roof

Project Cases



Retractable roof it is adapted to your lifestyle so that you can enjoy the relaxation year after year.



F A Q

1. What is the maximum size achievable with the retractable roof system?

Maximum System Width: 9 Meters in width (4.5 Meters between each support track)

Maximum System Projection: 12 Meters in Projection.

2. What is the minimum fall that I will need to disperse rain?

You will need a minimum pitch of 9 degrees to allow rain water flowing away very quickly. In some cases where heavy rain weather is very common, then it's highly recommended to allow 15 degrees to evacuate the rain.

3. What protects the fabric when it is retracted in the back position?

The retractable roof system incorporates an integrated fabric protection hood that has a slimline powder coated aluminum outer edge profile.

4. Is the retractable roof system suitable for commercial applications?

The AlunoTec retractable roof system is manufactured utilising quality materials & finishes, it is the ideal solution for all high-end commercial & hospitality projects.

5. Can I stop the AlunoTec retractable fabric roof in any position?

The AlunoTec Retractable Roof can be stopped in any position simply by pressing the middle button on the remote, at an intermediate position the roof will not be at full tension so it is important not leave in strong winds unless fully extended or retracted.

6. What are the benefits of installing a retractable pergola?

A Retractable roof system protects outdoor areas from adverse climatic conditions. It not only perfectly matches the outdoor area of a home or commercial area but also gives complete protection from rain and sunlight.



Alunotec®
Build Your Pergola

Please scan the QR code below if you want to know more



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