

TITAN OUTDOOR BLINDS

Complete buyer's guide

Openness factors | Weather performance | V7.3 & V8

Controls | Measuring | Maintenance | FAQs

START HERE

Choose the blind by outcome - not by fabric alone

A successful outdoor blind begins with five decisions: what you want it to do, how exposed the opening is, the opening size, how you want to operate it, and how the blind will be fixed to the structure.



1. Name the priority

Rank shade, glare control, privacy, wind reduction, rain reduction, views, airflow and noise softening. One fabric cannot maximise every outcome.

2. Assess each elevation

North, west, coastal and windward sides may need different fabrics. You do not have to use the same openness on every opening.

3. Confirm the opening

Width, drop, structure, cassette clearance, tracks, floor level, drainage and power all affect the final system.

4. Select V7.3 or V8

V7.3 suits many residential and light-commercial openings. V8 is the starting point for exceptionally wide, tall or demanding openings.

5. Choose operation

Manual or motorised options are available by configuration. Smart control, sensors, double rollers, lighting and emergency hand-crank operation can be considered.

6. Confirm safe use

The installed rating depends on the complete project. Obtain the operating wind guidance for the exact model, size, fabric, structure and fixing method.

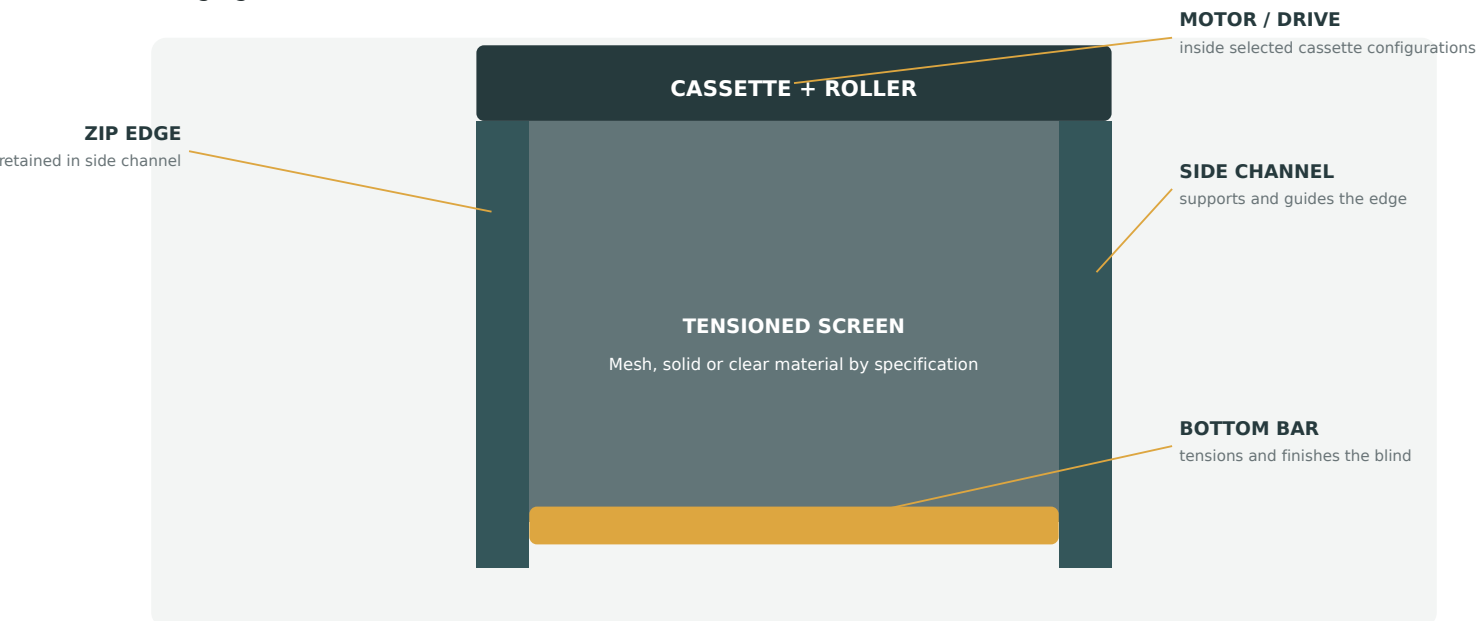
GOOD TO KNOW: The practical default

For many covered residential pergolas, a 5% dark mesh is a strong starting point because it balances shade, daytime view-through, privacy and airflow. It is a starting point only - site exposure and customer priorities can change the answer.

SYSTEM FUNDAMENTALS

How a zip-track outdoor blind works

Titan is a track-guided roller blind. The fabric edges remain captured in vertical side channels while the cassette stores the blind above the opening. This creates a neater, more stable screen than a loose hanging blind.



What the components do

Cassette / pelmet

Protects the roller and fabric when retracted. Its size grows with the blind's drop, fabric volume and duty requirements.

Roller and drive

Raises and lowers the blind. Motor capacity must match the system size, fabric and operating arrangement.

Zip-retained edges

Help keep the fabric engaged in the side channels and reduce side pull-out, flutter and billowing.

Side channels

Guide the screen and transfer loads to the supporting structure. Straightness and secure fixings are essential.

Bottom bar

Adds weight and tension, helps the blind finish consistently and may interact with a sill or floor detail.

Supporting structure

Pergola beams, posts, walls and fixings must be suitable for the blind loads. The blind cannot compensate for weak framing.

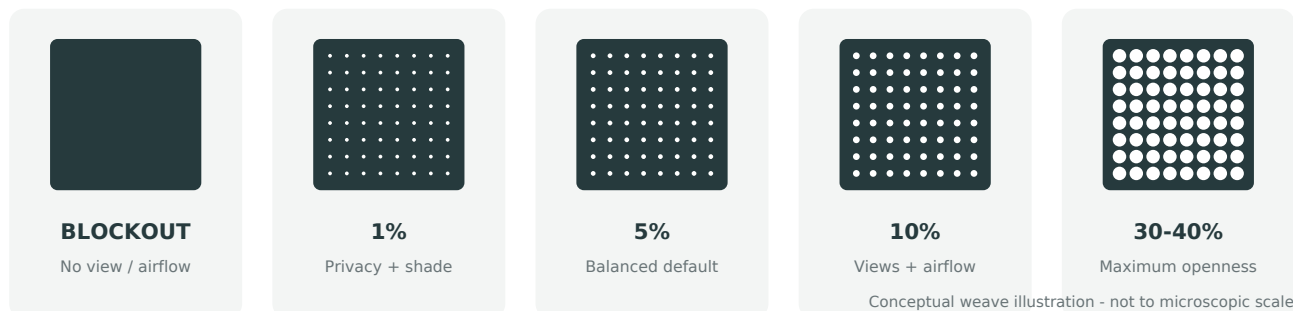
IMPORTANT: It is a screen, not a wall

A zip blind improves comfort and weather protection but it is not a structural wall, security shutter, glazed enclosure or guaranteed watertight building envelope. Water and air can still pass through fabric, junctions and other openings.

FABRIC GUIDE

Openness factor explained

Openness is the percentage of open space within a mesh weave. A lower number means a tighter, denser screen. A higher number means more open space. Openness affects view, privacy, airflow, shade, glare, wind pressure and rain penetration.



Openness	Best at	Trade-offs	Typical use
0% / blackout	Maximum visual privacy, light blocking, strongest direct-line sound barrier of the blind options	No outward view or airflow; greater wind pressure; can feel enclosed	Boundary side, glare-sensitive area, privacy or targeted noise management
1%	High daytime privacy, strong shade and glare control, reduced wind and light rain	Limited outward view and airflow compared with 5-10%	West-facing openings, neighbours, exposed covered sides
5%	Balanced shade, daytime privacy, view and ventilation	Not waterproof; less privacy and shade than 1%	Common residential and hospitality starting point
10%	Clearer view, more natural light and airflow	Less privacy, shade and weather reduction	Sheltered sides and view-focused openings
20-40%	Maximum connection to outdoors and airflow	Limited glare, privacy and rain control	Very sheltered, view-led areas or specialised V8 applications

IMPORTANT: Do not read openness as a performance rating

A 1% fabric is not automatically 'better' or stronger than a 5% fabric. Tighter fabric catches more wind. The complete blind - fabric, width, drop, tube, cassette, tracks, fixings and structure - determines the acceptable application.

FABRIC GUIDE

Select openness by the job it must do

Use the matrix below to shortlist a fabric, then confirm the actual sample, colour and project rating. Ratings are relative comparisons within the guide, not laboratory values.

Priority	0%	1%	5%	10%	20-40%
Daytime privacy	Highest	Very high	Good	Limited	Low
Night privacy with lights on	Highest	Limited*	Low*	Very low*	Very low*
Outward view	None	Limited	Good	Very good	Highest
Airflow	None	Low	Good	Very good	Highest
Shade / glare	Highest	Very high	High	Moderate	Low
Wind pressure relief	Lowest	Low	Good	Very good	Highest
Light-rain / spray reduction	High**	High	Moderate	Limited	Lowest
Direct-line noise softening	Best blind option	Better	Some	Limited	Lowest

* Mesh privacy depends on the direction of light. At night, a bright interior can be visible from a dark exterior. ** Rain performance also depends on whether the 0% option is a suitable solid weather fabric and on side, bottom and overhead details.

A simple selection sequence

- If privacy or strong afternoon glare is first: begin with 1% or blackout.
- If you want an all-round mesh for a covered patio: begin with 5%.
- If retaining the landscape view is first and the opening is sheltered: begin with 10% or higher.
- If cold wind and rain reduction outweigh ventilation: compare clear or solid PVC with low-openness mesh.
- If noise is a concern: use the densest practical fabric, minimise perimeter gaps and keep expectations realistic.

GOOD TO KNOW: Mix fabrics by side

A west-facing opening can use 1% mesh while a sheltered garden side uses 5% or 10%. A double-roller configuration may also combine two fabrics in selected systems.

MATERIAL CHOICE

Mesh, clear PVC or blackout?

Mesh is usually the most versatile everyday choice. Clear PVC is a more specialised weather barrier. Blockout is used where view and transmitted light are unwanted. The choice changes how the space feels and how the blind behaves in wind.

Factor	Outdoor mesh	Clear PVC	Blockout / solid
Airflow	Good - depends on openness	Very limited	None through fabric
Outward view	Depends on openness and colour	Clear when clean and flat	None
Daytime privacy	Good with low openness	Low	Highest
Rain reduction	Light rain and spray only; not waterproof	Higher, but junctions still matter	Higher through fabric; junctions still matter
Wind behaviour	Air can bleed through, reducing pressure	Solid surface takes full wind pressure	Solid surface takes full wind pressure
Summer comfort	Good ventilation and solar control	Can trap heat	Strong shade but no ventilation
Maintenance	Routine washing and track care	More cleaning to retain clarity	Routine washing and track care
Best suited to	Everyday patios, pergolas, cafes	Cold or wet sides, seasonal enclosure	Privacy, glare and targeted noise control

Why mesh is often preferred in exposed areas

Mesh presents less solid impact area to the wind because some air passes through the weave. This can reduce pressure, flutter and the sail effect compared with clear or solid PVC. The zip tracks still matter: they retain the side edges, while the bottom bar maintains tension.

When clear PVC makes sense

Choose clear PVC where the main goal is reducing cold wind and wind-driven rain while preserving a clear view. Allow for lower ventilation, possible condensation, more cleaning and greater wind load on the system. Clear PVC also changes with temperature and may appear softer in heat or tighter in cold conditions.

GOOD TO KNOW: Combination layouts

A practical layout may use mesh on sunny or frequently opened sides and PVC only on the prevailing weather side. Ask Apollo NZ to confirm which materials are compatible with the proposed Titan model and dimensions.

COMFORT & APPEARANCE

Colour, view-through and privacy

The same openness percentage can feel different in a light or dark colour. Always view a physical sample in the intended location and compare it from both sides at different times of day.

Choice	What you are likely to notice	Planning note
Dark mesh	Sharper outward view during daylight; the eye tends to look through the darker weave	Can absorb more solar heat at the fabric surface; works well with black or dark-grey frames
Light mesh	Brighter, softer appearance; can reflect more solar energy	Reflected light can make the weave more visually prominent and reduce view-through clarity
Mixed / twill weave	Textured architectural appearance and more colour flexibility	Check the actual weave, both faces and the available openness range
Clear PVC	Direct view with no mesh pattern	Shows dust, water marks and creases more readily; provides little visual privacy
Blockout	Solid visual plane	Frame and fabric colour become a stronger design feature because there is no view through

The day-night privacy rule

Daylight outside

When it is brighter outside than inside, a low-openness dark mesh often provides useful privacy while occupants retain some outward view.

Lights on at night

When the protected area is brighter than outside, silhouettes and interior activity may be visible through mesh. Lower openness improves privacy but does not guarantee it.

Need guaranteed visual privacy?

Use a suitable 0% blockout fabric, or add a second layer where a selected double-roller configuration is available.

Need both view and privacy?

Use zoning: a view-oriented fabric on the garden side and denser fabric on the neighbour or street side.

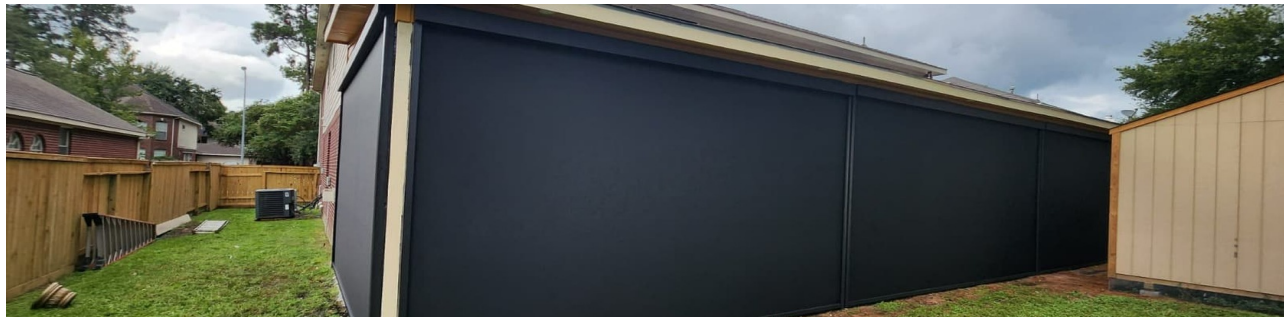
Published openness	Published colour examples
1%	White, Light Grey, Dark Grey, Black + Grey, Black, Beige + White, Grey + White
5%	White, Light Grey, Dark Grey, Black + Grey, Black, Coffee, Beige + White, Grey + White, Twill Weave Coffee
10%	Light Grey, Dark Grey, Black, Coffee
20% and 40%	Black

Colour availability can change and may differ by fabric family, system size and project. Confirm against the current physical swatch set.

WEATHER REALITY

Wind, rain and safe operation

Titan's zip-track design is intended to improve stability and weather performance. However, wind capability is a property of the complete installed system - not the fabric or side track in isolation.



Understanding the published wind statement

Apollo NZ's Titan product information describes the system as engineered for Force 12 wind conditions. Treat this as a product-family capability statement requiring project confirmation. The applicable result depends on the selected model, width, drop, fabric, cassette, tube, motor, tracks, anchoring, supporting structure, installation and operating position.

IMPORTANT: High-wind operating rule

All outdoor blinds should be fully retracted before forecast high winds, cyclonic conditions or flying-debris risk unless the written, project-specific operating instructions explicitly state otherwise. Retract early, while conditions are still safe. A high wind rating is not permission to leave a blind down in every storm.

What to expect from rain protection

- Low-openness mesh can reduce light rain, mist and wind-driven spray, especially beneath a roof.
- Heavy or wind-driven rain can pass through mesh and around the head, side or bottom junctions.
- Clear or solid PVC provides a more continuous barrier, but the installation is still not a building-envelope wall.
- Allow drainage at the floor and do not trap water against thresholds, tracks or electrical components.

Sensors help, but do not replace judgement

Wind and rain sensors can automate routine responses when correctly positioned and commissioned. They cannot see flying debris, blocked movement, loss of power or every local gust. Keep manual controls accessible and include the blinds in your severe-weather preparation plan.

SYSTEM SELECTION

Titan V7.3 - residential & light commercial

V7.3 is suited to many conventional pergolas, patios, outdoor rooms and selected semi-commercial applications. Four cassette classes allow the blind to be matched to the opening and fabric volume.

Model	Published width range	Published drop range	Published max area	LED cassette
V7.3-100	3.0-4.3 m	1.6-3.0 m	Confirm	Available
V7.3-110	3.0-4.8 m	2.4-3.5 m	Up to 12 m2	Available
V7.3-120	3.0-6.0 m	1.7-5.0 m	Up to 15 m2	Available
V7.3-130	3.0-6.0 m	2.6-5.5 m	Up to 15 m2	Not listed

GUIDE NOTE: Read the size table correctly

The published ranges are model-selection guidance. Maximum area, width and drop constraints apply together. The product information also notes that the allowable height is reduced by 0.5 m when the width is under 2 m. Do not order from one dimension alone.

V7.3 fabric and use

- Published compatibility: 0-50% Venis outdoor fabrics, subject to the chosen model and size.
- Low-openness options suit privacy, glare and weather reduction; higher openess supports view and airflow.
- Quiet motorised operation and a clean architectural cassette are key V7.3 benefits.
- Manual operation is available on selected Titan configurations; confirm compatibility for the required dimensions.
- Cassette, tracks and powder-coat colour can be coordinated with pergola or building framing.

When to move up to V8

Begin with V8 when the opening is exceptionally wide or tall, when a large commercial facade is involved, when a single uninterrupted blind is a design priority, or when the project requires a heavier-duty large-format solution. The final choice still requires site and structural review.

SYSTEM SELECTION

Titan V8 - large span & commercial strength

V8 is the large-format Titan platform. Published configurations extend to approximately 15 m wide and 7 m drop, but the achievable combination is project-specific. Fabric weight, wind exposure, supporting structure and motor capacity become increasingly important as the screen grows.

Model	Case size	Tube	Published width	Published drop
V8-100	100 x 120 mm	70 mm	10-15 m	2.5-3.0 m
V8-120	120 x 140 mm	85 mm	10-15 m	3.5-5.0 m
V8-140	140 x 160 mm	85 mm	10-15 m	5.8-7.0 m

Published V8 fabric groups

5-10% fibreglass mesh

Balanced large-format mesh choices for shade, view and ventilation.

1% TPU fabric

Tighter option listed for applications prioritising privacy and weather reduction.

20-50% fibreglass mesh

More open options for airflow and views in suitable, typically more sheltered applications.

Premium screen options

Selected projects may use premium fabrics such as Serge Ferrari Soltis 86 or Soltis 92, subject to confirmation.

One wide blind or multiple blinds?

One large blind	Several smaller blinds
Cleaner view with fewer intermediate tracks	More visible divisions but independent control
Entire opening moves together	Only the required zone needs to move
Larger continuous wind area	Loads and fabric areas are divided
Requires strong, straight supporting framing	Can align with existing columns and distribute fixing points
One large system to service	Several smaller systems, often easier to handle individually

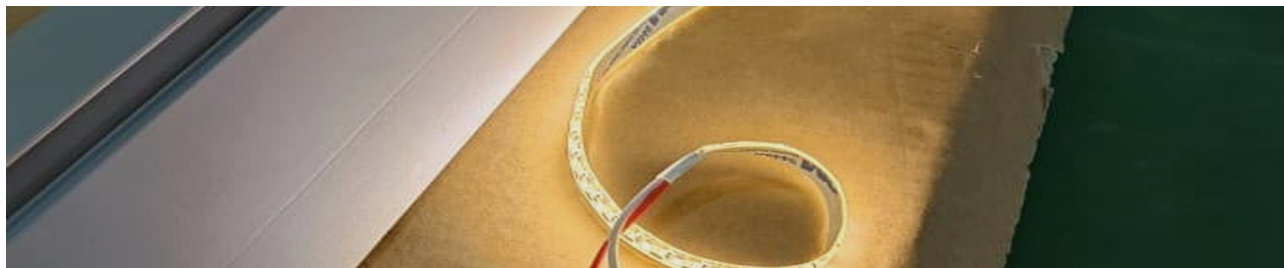
IMPORTANT: Large-format recommendation

Professional measurement and specification are strongly recommended for V8. A split layout may be the better answer on highly exposed sites, where the structure is divided, where zones need separate operation, or where easier servicing is a priority.

OPERATION & OPTIONS

Controls, automation and comfort features

Choose the control system around daily use and emergency access. Large or frequently used blinds usually benefit from motorisation, while selected manual or hybrid drives can provide valuable resilience.



Option	What it adds	What to confirm
Motorised operation	Convenient regular use; important for larger blinds	Motor capacity, power route, isolator, remote/wall control and electrician scope
Manual operation	No permanent motor power required on compatible systems	Maximum size, operating effort, access and exact drive type
Hybrid hand-crank + motor	Selected Dooya configurations can still be operated during a power outage	Compatibility, crank access and the correct emergency procedure
Tuya smart control	App control and potential voice-assistant integration	Network coverage, account setup, commissioning and user permissions
Wind / rain sensors	Automatic responses to routine weather triggers	Location, thresholds, response direction, testing and override
Double roller	Two fabrics for different conditions, such as view mesh plus blackout	Cassette size, available span, control logic and extra headroom
Integrated LED cassette	Task or ambient light at the opening	Available on V7.3-100/110/120 and selected other configurations; wiring and colour temperature
Custom powder coat	Coordinates tracks and cassette with the structure	Current colour range, lead time and coastal finish requirements

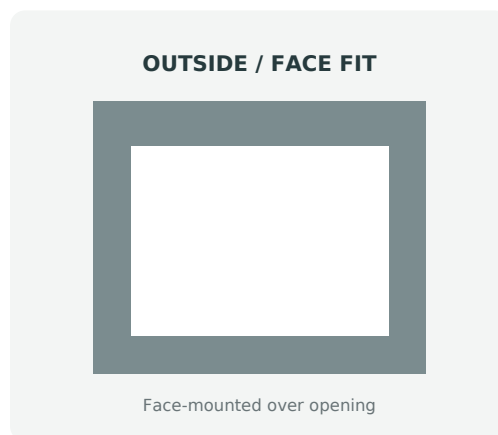
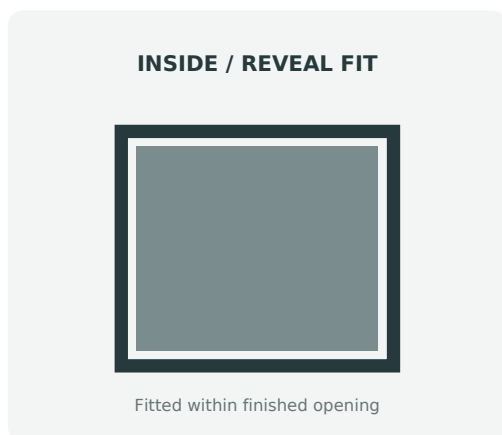
GOOD TO KNOW: Plan power early

Concealed cabling, motor side, control locations and access for service are much easier to resolve before a pergola or cladding is finished. Electrical work must be completed by an appropriately qualified person.

PROJECT PLANNING

Measuring, fit and installation preparation

Supply the raw finished-opening measurements and clear photos. Do not make manufacturing deductions yourself unless Apollo NZ or the nominated installer has asked you to use a specific measuring method.



Measure and record

Opening	Structure	Services & surroundings
Width at top, middle and bottom	Material and thickness of head beam / wall	Power location and preferred motor side
Height at left, centre and right	Side fixing surfaces and post dimensions	Doors, windows, handles and opening paths
Finished floor / sill level	Plumb, level and square checks	Drainage, gutters and water routes
Inside or face-fit preference	Cladding, flashings and hidden obstructions	Furniture, balustrades, steps and access

Published fit references for V8

Fit	Published reference
Interior / built-in	Deduct 5 mm from width and 2 mm from height
Exterior / face fit V8-100	Add 100 mm to opening width and 215 mm to opening height
Exterior / face fit V8-120	Add 100 mm to opening width and 235 mm to opening height
Exterior / face fit V8-140	Add 100 mm to opening width and 255 mm to opening height

These figures are installation references published on the product page, not a universal ordering formula. Confirm the exact datum, cassette, channel and bottom detail before manufacture.

IMPORTANT: Structure first

Tracks must be straight, parallel and securely fixed. The head and side structure must resist the applied loads without excessive movement. Large V8 systems require especially careful review of fixing points and support.

APPLICATION PLANNING

What works in different outdoor spaces

The right specification changes with how the space is used. The examples below are starting points for discussion, not fixed prescriptions.

Space	Good starting point	Key questions
Covered residential deck	5% mesh on most sides; 1% on the hot or neighbour side	Afternoon sun? prevailing wind? night privacy? doors behind tracks?
Coastal pergola	Mesh favoured for airflow and pressure relief; corrosion-aware finish	Salt exposure? cleaning access? severe-weather plan? structural fixings?
Poolside area	5-10% mesh where views and ventilation matter	Splash chemicals? child-safety sightlines? wet-floor drainage? wind exposure?
Cafe / restaurant	Zoned motorised blinds; mix mesh and selected PVC	Independent tables? customer comfort? emergency exits? cleaning and daily operation?
Resort / Pacific project	Motorised or hybrid V7.3/V8 with disciplined weather procedures	Power reliability? salt/humidity? staff training? cyclone preparation?
Large commercial terrace	V8 or divided V8 zones with professional measure	Structure, motor capacity, service access, controls and operational responsibility?
Neighbour / road side	1% or blackout with a close bottom finish	Need daytime or full visual privacy? is noise reduction only supplementary?
Winter-focused enclosure	Compare clear PVC with tight mesh and mixed elevations	Ventilation, condensation, wind load, heaters and fire safety?

Noise expectations

Titan blinds can soften direct-line noise by covering an opening, reducing wind turbulence and using denser fabric. A 0% or low-openness fabric is more useful than open mesh when noise is a priority. However, sound still travels over the roof, around gaps and through the structure. Outdoor blinds should not be sold as an acoustic wall, and no decibel reduction should be promised without project-specific acoustic testing.

IMPORTANT: Heating and cooking

Do not position fabric, PVC, motors or wiring where they can be damaged by heaters, BBQs, pizza ovens, open flame, hot exhaust or grease. Maintain the appliance manufacturer's clearances and local safety requirements.

OWNERSHIP

Cleaning, maintenance and long-term care

Simple, regular care protects fabric appearance, track movement and coastal hardware. Frequency should increase near the sea, around pools, beneath trees or in dusty commercial areas.

Frequency	Recommended actions
Routine	Brush or vacuum loose dust and insects. Check that the opening and side channels are clear before operating.
Every 1-3 months	Wash fabric with fresh water, mild pH-neutral soap and a soft cloth or sponge. Rinse thoroughly. Coastal sites may need a fresh-water rinse at least monthly.
As needed	Clean clear PVC using products approved for flexible clear vinyl. Avoid solvents, abrasives and rough cloths that can cloud or scratch it.
Tracks	Remove sand and grit. If lubrication is approved for the exact system, use only a light dry-silicone product as directed. Avoid oily lubricants that hold dirt.
After strong weather	Inspect tracks, bottom bar, fabric edges, fixings and electrical items. Stop using the blind if anything is loose, distorted or damaged.
Periodic service	Test limits, remotes, sensors, manual override and smooth travel. Have electrical or mechanical faults assessed by a competent service person.

Everyday operating habits

- Keep people, furniture, pets, doors and other obstructions clear while the blind is moving.
- Do not pull, push or force a moving blind, and stop if travel becomes uneven or noisy.
- Do not roll up heavy dirt, leaves or sand. Clean first to avoid marking the fabric and roller.
- If the blind is retracted while damp, lower it to dry as soon as conditions are safe.
- Retract before forecast high winds and severe weather; do not wait until conditions are dangerous.
- Keep controls and emergency procedures available to everyone responsible for the space.

IMPORTANT: Avoid high-pressure washing

High-pressure jets can damage the weave, force water into the cassette or electrical components and dislodge seals. Use low-pressure fresh water and gentle cleaning methods.

COMMON QUESTIONS

Titan outdoor blind FAQs

These are the questions most customers should resolve before requesting a final specification.

Are mesh blinds waterproof?

No. Tight mesh can reduce light rain and spray but heavy or wind-driven rain can pass through the weave and around the installation.

Will a 1% mesh give privacy at night?

It improves privacy but does not guarantee it. If the inside is brightly lit and outside is dark, people may see in.

Is 0% always best for wind?

No. A solid surface catches more pressure. Wind suitability depends on the complete engineered and installed configuration.

Can one Titan blind span 15 m?

Selected V8 configurations may reach approximately 15 m, subject to drop, fabric, exposure, structure, cassette, motor and fixing review.

Should blinds stay down in a storm?

Generally no. Retract all outdoor blinds before forecast high winds or debris risk unless written project-specific instructions explicitly say otherwise.

Can Titan blinds reduce noise?

They can soften some direct noise, especially with dense or 0% fabric and minimal gaps, but they are not acoustic walls and do not guarantee a dB reduction.

Are wind and rain sensors enough?

No. Sensors are an aid. They need power, correct positioning, testing and sensible thresholds, and they cannot manage every hazard.

Can I use different fabrics on each side?

Yes, and it is often the best solution. Choose each elevation for sun, view, privacy and prevailing weather.

What happens in a power cut?

Selected hybrid motor + hand-crank configurations can provide manual operation. Confirm availability, access and the operating method.

Can blinds enclose a BBQ area?

Only with safe clearances and ventilation. Keep fabric, PVC, motors and wiring away from flame, heat, grease and exhaust.

GUIDE NOTE: Final authority

The project quotation, approved drawings, fabric data, installation details and operating instructions for your exact blind take priority over general guidance in this booklet.

READY TO ENQUIRE

Information to include with your quote request

A complete brief allows Apollo NZ to recommend a suitable model, fabric and control arrangement with fewer assumptions.

Site & opening	Performance & finish	Operation & delivery
Project address / region	Rank: shade, privacy, views, airflow, wind, rain, noise	Manual, motorised or hybrid preference
Residential, hospitality or commercial use	Preferred openness or request recommendation	Remote, wall switch, Tuya or voice control
Finished width and height at three points	Mesh, clear PVC, blackout or mixed layout	Wind / rain sensors, LED or double roller
Inside fit or face fit	Fabric and frame colour	Power position and preferred motor side
Photos from inside and outside	Sun direction and prevailing weather side	Supply-only / approved installer pathway
Beam, post and fixing-surface details	Coastal, pool, high-wind or high-rise exposure	Required timing and site access constraints

GOOD TO KNOW: Before you approve

Ask for the final model, fabric name and openness, colour, manufacturing dimensions, fixing and power requirements, wind operating guidance, inclusion list, warranty terms, maintenance instructions, delivery scope and installation responsibility.

Source information

- Titan Outdoor Blinds product page - features, fabrics, size ranges, fit references and options.
- PVC Clear Blinds vs Mesh Blinds - material trade-offs and rain limitations.
- Can Large Outdoor Openings Be Covered with One Blind? - V8 planning and divided-opening considerations.
- Track-guided blinds for tropical conditions - coastal maintenance and severe-weather operation.
- How Outdoor Blinds Can Help Control Noise - realistic noise expectations.

APOLLO NZ

Outdoor blinds for homes, hospitality and commercial projects across New Zealand and the Pacific Islands.

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www.apollonnz.org/product/titan-outdoor-blinds/

Guide prepared July 2026 from Apollo NZ's current published product and insight information. Specifications, fabric availability and options are subject to confirmation for each project. Apollo NZ is a supply-only provider; installation pathways can be discussed separately.