

Experience Design Freedom

Verosol



OUR STORY

Verosol was founded in 1963 by Cornelis Verolme, a famous Dutch shipbuilder. He sailed into New York Harbour, he was marvelled by the impressive skyline and noticed that most of the buildings had large glass façades. He wondered how difficult it would be to manage the indoor climate.

On this particular trip, Cornelis was inspired to find a solution to this problem. He began experimenting tirelessly with many ideas and concepts. This led to the creation of a new concept – the metallisation of fabrics, which would be used to manufacture blinds and curtains.

This new concept made it possible to reflect heat and glare outside the building. Regulating the heat and light creates significant energy savings as well as a much more comfortable environment for occupants.

The initial pioneering innovation led to the birth of the company we know today as Verosol, composed of the first four letters of Cornelis' surname VERO and the word SOL, meaning sun.

Verosol's mission is to create, with our innovative and high quality blind solutions, a better environment in every building.

CONTENTS

Global Leaders	04
Expanding the Possibilities	05
SilverScreen	06
Our Fabric Collections	08
Case Study - Barangaroo T3	10
Case Study - Green Square	11
Energy Savings	12
Design Freedom	13
Motorisation	14
Child Safety, Warranty & Certification	15



GLOBAL LEADERS

In solar control solutions

Verosol is the world's market leader in total solar screen solutions.

With all-time performance, excellent quality and exclusive aesthetics we create your ultimate comfort zone.

Verosol is continuously innovating to beat the heat and fight the light. We transform buildings into natural, healthy places where people feel free, live fully and perform in the best possible way ever.

Verosol invented reflective metallised fabric and were the first to utilise this technology in window furnishings. We reduce cooling and energy consumption significantly by adding an ultra thin layer of aluminium, allowing freedom to design performance facades.

Verosol keep on improving and pushing the limits to offer you the best integrated service and support and to meet today's energy challenges, because the world is changing rapidly and so is our climate.

Expanding the POSSIBILITIES

**Partnering with Verosol guarantees you access to industry benchmark solutions.
Bringing style, comfort, quality and durability to windows.**



SILVERSCREEN

Experience superior heat, glare & UV protection WITHOUT LOSING THE VIEWS



THE BENEFITS OF SILVERSCREEN ARE AMAZING

- SilverScreen reflects up to 85% of solar radiation (best in market).
- Glare is significantly reduced removing eyestrain and allows visual clarity of computers and TV screens.
- Ultra Violet Radiation entering a room is virtually eliminated, preventing fading and damage to furniture.
- Your view through to the outside world is unaffected, irrespective of the sun's intensity.
- The reduction of heat, light and UV is the same regardless of fabric colour.
- SilverScreen protects and adds longevity to the blind fabrics.
- You get reassurance with a 7 year + warranty.
- SilverScreen is low maintenance, anti-static and dust repellent.



SILVERSCREEN IS NOT A COST IT'S AN INVESTMENT

SilverScreen is the ultimate energy efficient solution, ideal for saving on heating and cooling costs. Here's why.

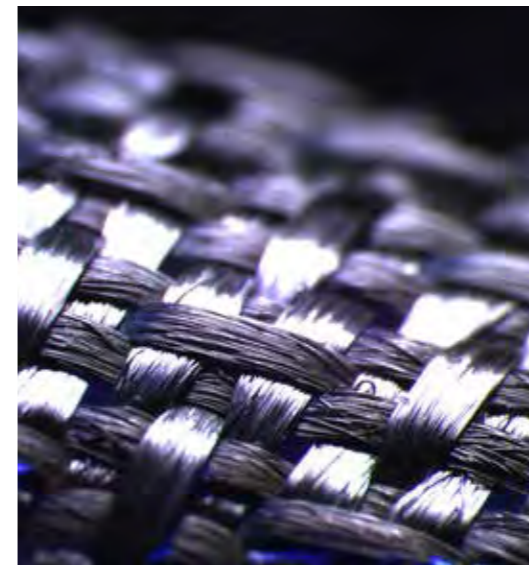
- During Summer, SilverScreen's highly reflective metallised surface repels up to 85% of solar energy before it has a chance to turn into heat. This means room temperatures stay lower, saving you on cooling costs.
- In Winter, the low E aluminium layer insulates the window, trapping warm air in the room, saving you on heating costs.
- SilverScreen can save approximately 20% of energy consumption in an air-conditioned building and about 10% in a non-air-conditioned building.
- SilverScreen metallisation is available on fibreglass based 2x1 weave fabric for the very best results in terms of energy saving.
- It is also available on 2x2 basket weave fabric for a beautiful view to the outside world and on cradle-to-cradle polyester fabric.



LEADING THE WORLD IN METALLISED FABRIC SOLUTIONS

Fifty years ago, Verosol invented a process whereby a microscopic layer of aluminium was applied onto fabric. This layer was called SilverScreen, and the process was called metallisation.

Over the years, many blind manufacturers have tried to copy our process, without success. They found other ways to metallise fabric, however, to this day, no one has come close to SilverScreen metallisation for quality, durability and functionality.



WHY SILVERSCREEN METALLISATION IS UNIQUE

Unlike other blind manufacturers, who metallise by coating or sticking an aluminium film onto fabric, Verosol uses Nano type technology. We have devised a method by which we vaporise aluminium, so the particles bond and infuse into the fabric. The aluminium and fabric become one. Our process creates a product with remarkable results that no one else can match.

SilverScreen also has an unsurpassed track record. There is no other metal back solar control fabric in the world, that has been used as extensively. SilverScreen's effectiveness as a window covering that reduces heat and glare at the window have been proven throughout Australasia, North America and Europe.



Highest Level of Visual Quality

Visual comfort through light control, glare control & view through.



Highest Level of Thermal Quality

Temperature control – ambient temperature, radiant heat reduction, insulative properties.



Significant Energy Savings

Reduction in CO2 emissions & reduction in capital costs for cooling and glazing.



Healthy Environment

Excellent colour rendering index. Fabric is anti-static & very low VOC emission.



Safe Environment

Fabrics provide daytime privacy, are flame retardant & carry Oeko-Tex Standard 100 certification.



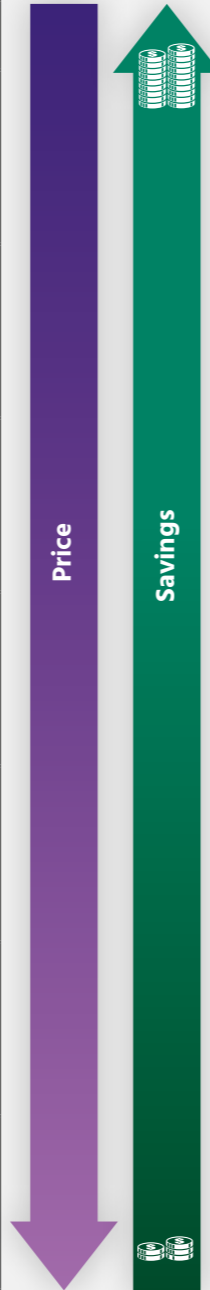
Seven Year Warranty

Get reassurance with our 7 year + warranty guaranteed.

OUR FABRIC COLLECTIONS

SilverScreen Range Metallised Blind Fabrics

PROVEN OVER 50 YEARS		
RANGE	PERFORMANCE	BENEFITS
SilverScreen 202 Performance	85% Solar Reflectance 3% Solar Transmittance 12% Solar Absorptance 2% Openness Factor	Highest Solar Reflection Highest Protection Highest Energy Savings Highest Glare Reduction
SilverScreen 203 Performance	82% Solar Reflectance 4% Solar Transmittance 14% Solar Absorptance 3% Openness Factor	High Solar Reflection Best View Through Significant Glare Reduction
SilverScreen 205 Performance	77% Solar Reflectance 6% Solar Transmittance 17% Solar Absorptance 4% Openness Factor	Improved View Through Best Blend of Performance and View Significant Glare Reduction
SilverScreen 833 Clearview	74% Solar Reflectance 3% Solar Transmittance 23% Solar Absorptance 3% Openness Factor	180 Degree Viewing Angle Best Off Axis Vision Through PVC Free Significant Glare Reduction
SilverScreen 802 Enviro	74% Solar Reflectance 3% Solar Transmittance 23% Solar Absorptance 2% Openness Factor	Strong Performance Unbeatable Green Solution PVC Free CRADLE to CRADLE Certified Significant Glare Reduction
SilverScreen 103 Earth	62% Solar Reflectance 6% Solar Transmittance 32% Solar Absorptance 3% Openness Factor	Good Performance Great Value PVC Free Significant Glare Reduction
SilverScreen Originals 816, 812, 849	44% to 65% Solar Reflectance 2-23% Openness Factor	Roller & Pleated Blinds Curtain Fabrics FR & PVC Free
SilverScreen Originals 878, 890	68% to 70% Solar Reflectance 0% Openness Factor	Non Transparent Blockout FR & PVC Free



Naturals Range Non Metallised Blind Fabrics

SCREEN	BLOCKOUT
123 Earth Screen 100% Polyester PVC Free FR	710 Aspect 100% Polyester PVC Free FR
231 Veroscreen G3 30% Polyester 70% PVC FR	722 Geisha 100% Polyester PVC Free FR
236 Satin 100% Polyester PVC Free	730 Privado 100% Polyester PVC Free
262 Harmony 100% Polyester	263 Harmony 100% Polyester
273 Venus 100% Polyester	757 Venus 100% Polyester
713 Trezzini 100% Polyester PVC Free	712 Trezzini 100% Polyester PVC Free
752 Manhattan 100% Polyester PVC Free	753 Manhattan 100% Polyester PVC Free
734 Tempest 100% Polyester PVC Free	733 Tempest 100% Polyester PVC Free
738 Aura 100% Polyester PVC Free	739 Aura 100% Polyester PVC Free
815 Ultra 100% Polyester PVC Free	735 Habitat 100% Polyester PVC Free
850 Mirage 100% Polyester PVC Free	737 Veropaque G3 100% Polyester PVC Free
743 Haven 100% Polyester	744 Haven 100% Polyester
788 Seed 100% Polyester PVC & LEAD Free	789 Seed 100% Polyester PVC & LEAD Free
736 Pure 100% Polyester	

Curtain Range

SILVERSCREEN LIVING	
882 SilverScreen Living Semi Transparent	100% Polyester - Trevira CS PVC Free FR
883 SilverScreen Living Transparent	
OPULENT LIVING	
Air 4 Sheer	100% Polyester Trevira CS FR
Casa Sheer	100% Polyester Trevira CS FR
Dawn 2 Dimout	100% Polyester FR
Daybreak 2 Sheer	100% Polyester FR
Frost Sheer	50% Polyester FR 50% Polyester FR
Haze Sheer	60% Polyester FR 40% Polyester FR
Noon Sheer	100% Polyester FR
Rocket Sheer	100% Trevira CS FR
Twilight Dimout	59% Polyester FR 41% Polyester FR
Zulu 2 Sheer	100% Trevira CS FR
EVERYDAY LIVING	
467 Purity Sheer	100% Polyester PVC Free FR
468 Tranquility Sheer	100% Polyester PVC Free FR
469 Serenity Sheer	100% Polyester PVC Free FR
470 Comfort Dimout	100% Polyester Triple Weave PVC Free FR
471 Sanctuary Blockout	100% Polyester Acrylic Foam Coated PVC Free FR

CASE STUDY

LOCATION:
Barangaroo, NSW Australia

ARCHITECT:
Rogers Stirk Harbour & Partners and Lendlease

WINDOW COVERINGS:
SilverScreen Roller Blinds by Verosol

- Screen type: SilverScreen 205 Performance
- Height: 168 metres
- Levels: 39
- Floor area: 99,656m²

Barangaroo Tower 3

Barangaroo Tower 3 is considered by many to be Australia's building of the decade. At 39 levels reaching 168 metres, Tower 3 provides the ultimate in flexible, modern workspaces. The amazing glass facade required a sustainable solution for solar control and its impact on the temperature inside the building during the harsh Australian weather conditions.

THE BUILDING

Barangaroo Towers were designed by architectural firm Rogers Stirk Harbour & Partners and Lendlease, in 2010. Barangaroo is Australia's premier commercial hub for the Asia Pacific region, located in the heart of Sydney harbour. The first in Australia to set the new benchmark for sustainable building materials, Barangaroo Tower 3 had achieved the highest green star rating from the Green Building Council of Australia (CBCA).

'Typically, building projects require more than one round of assessment to achieve a Green Star rating'. However, Barangaroo Tower 3 was fortunate to receive this award on the first assessment at the International Tower Sydney (ITS) (Barangaroo South, 2017).

THE REQUIREMENT

Tough weather conditions such as the harsh Australian sun rays will affect this building, especially as it is 39 levels constructed with glass facade on all levels. This will pose a challenge regarding room temperature and energy efficiency.

THE SOLUTION

Tower 3 was awarded a 6 Star Green Star rating from the Green Building Council of Australia (GBCA). To comply with this initiative, Motorised Verosol SilverScreen 205 Performance blinds were introduced. Manufactured with a thermal and reflective Aluminium backing, SilverScreen 205 Performance was specified due to its high solar reflectance achieving an impressive 76% - 78% outside reflection. This makes it highly sustainable, flame retardant and very energy efficient.

"Typically, building projects require more than one round of assessment to achieve a Green Star rating. However, Barangaroo Tower 3 was fortunate to receive this award on the first assessment."

CASE STUDY

LOCATION:
Green Square, Sydney Australia

ARCHITECT:
Stewart Hollenstein / Builder: John Holland

WINDOW COVERINGS:
SilverScreen Roller Blinds by Verosol

- Screen type: SilverScreen 202 Performance
- Sector: Public Library
- Certification: 5 Star Green Star

Green Square Library & Plaza

THE BUILDING

Green Square Library - 3000 sq m of naturally-lit space. This 5 Star Green Star Building was designed by Architect Stewart Hollenstein and constructed by Builder John Holland for their client, the City of Sydney. With most of the development below ground level, the Glazed Tower and Pavilion are the landmark features of the development.

THE REQUIREMENT

The challenge with the extensive use of glass lay in making the buildings useable, not just visually appealing in the urban landscape. These glass constructions required multiple layers of heat and light control. Technologies including triple glazing, chilled beam cooling systems, intelligent ventilation and Verosol's SilverScreen roller blind fabrics were employed to make the public space user friendly. The result, 5 Star Green Star Public Building Certification.

THE SOLUTION

In the Greensquare Library development, Motorised SilverScreen 202 Performance roller blinds cut 85% of the heat and 97% of the glare. SilverScreen makes commercial spaces useable in a way that is unequalled by any other roller blind fabric. SilverScreen quite literally allows people to use spaces that would otherwise be impossibly hot and bright on sunny days. Furthermore, the integration of clever control technologies means the SilverScreen blinds are raised and lowered with automated precision.

What makes SilverScreen unique is its metal backing. The use of nano technology allows Verosol to produce a solar control fabric with a reflective metal backing. SilverScreen fabric is proven worldwide and unparalleled for performance, quality and appearance.

ENERGY SAVINGS

Green planet considerations is a priority for Verosol, at a time when global warming is in the hearts and minds of governments, businesses and individuals alike.

Verosol worldwide is committed to providing a product that will reduce the production of greenhouse gases.

Verosol's savings calculator demonstrates how the use of Verosol metal backed fabrics can prevent thousands of kilograms of CO2 being produced in air-conditioning running cost savings alone.

To estimate possible reduction in CO2 emissions and significant energy cost savings for your next project; **contact Verosol for a tailored energy saving calculation.**

Verosol
FABRIC PERFORMANCE DECLARATION and ENERGY SAVINGS CALCULATION REQUEST FORM

Please fully complete this form and return to: energysavings@verosol.com.au
 Upon receipt of this form, a report will be generated confirming performance and potential energy savings of fabric(s) selected in combination with specific glazing type.

BUILDING PROJECT DATA
 - City and country where the building is located: _____
 - Project or building name: _____

GLASS DATA Specify the glazing to be used. When you have multiple glazings please fill in a form for each glazing.

Glass composition*
 Single Glazing Double glazing Triple glazing

Outerpane: Thickness: _____mm. Name or Type: _____
 Gap: Width: _____mm. Filled with: air argon krypton
 Midpane: Thickness: _____mm. Name or Type: _____
 Gap: Width: _____mm. Filled with: air argon krypton
 Innerpane: Thickness: _____mm. Name or Type: _____

If detailed glass data is unknown: Brand and type of glass: _____
 * If you have a datasheet from the glass supplier please send it with this form.

Glass performance:
 - Insulation property (U-value, I-value): _____ Units:
 - Solar Heat Gain (g-value, Solar Factor, SHGC, SHGF, ZTA): _____
 - Visible Light Transmission (VLT): _____

BLIND DATA
 Which fabrics are relevant for the calculations:
 SilverScreen 202 SilverScreen 203
 SilverScreen 205 SilverScreen 293
 EnviroScreen 802 SilverScreen 103
 SilverScreen Originals: B12 B78
 G66 B99
 Colours: _____
 Colours: _____

If applicable, please confirm non Verosol fabrics for comparative purpose:
 Fabric 1: _____ Colour: _____ OF: _____ VLT: _____
 Fabric 2: _____ Colour: _____ OF: _____ VLT: _____

ELEVATIONS (Only needed for Energy savings calculations)
 Please specify the m² of glass per facade and its orientation (North, North East, East, South East, South, South West, West, North West)
 _____ m², orientation: _____
 _____ m², orientation: _____
 _____ m², orientation: _____

DEADLINE
 When do you need the report? Normally we deliver a report within _____
 Calculation request form 2019-05 v1.0 (Verosol)

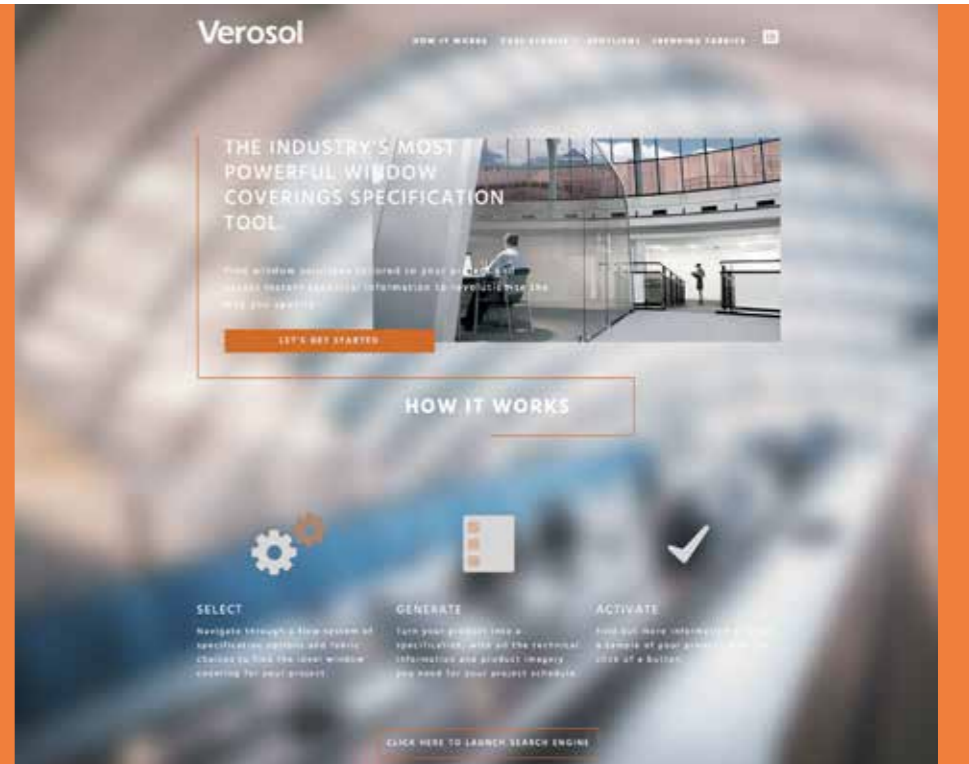
Thermal heat gain and losses
 Due to extra clarity that is created with blinds and due to the Low-E feature of metallised blinds, the insulation of the facade is improved. This means during cold weather less heat loss, during hot weather less heat gain. This improvement is expressed in the lower U-value.

Glazing and Fenestration	Coating (square days)	Daily average hours of use of blinds (%)	Total of glass in the building (m ²)	Difference in U-value (W/m ² K)	Total reduction of thermal heat gain / annum (MJ/annum)
1 Glazing only	100	0	1000	0.6	18000
2 Glass + SilverScreen 202/802	100	10	1000	0.5	18000
Potential annual savings: 18000 MJ/annum (on thermal heat gain) by better thermal insulation due to Fenestration Glass + SilverScreen 202/802					



It's as easy as
**CREATE
COPY
PASTE**

This innovative web-based tool, allows window furnishing specifications to be generated in a matter of minutes.



VEROSOLSPECIFICATIONS.COM.AU EXPERIENCE TRUE DESIGN FREEDOM

INTUITIVE BY DESIGN

Intuitive by design, easy to use across all devices, **VEROSOLSPECIFICATIONS.COM.AU** allows you to clip or copy & paste specifications efficiently. The specification result screen also allows you to order samples or contact a representative for technical support or advice.

EXPANDING THE POSSIBILITIES

As the inventor of metallised fabrics across the widest array of window coverings, **VEROSOLSPECIFICATIONS.COM.AU** allows you specify everything from standard roller blinds through to automated solutions with complex control requirements. Furthermore the range of fabrics include, trending, decorative & room darkening through to the worlds best performing solar control fabric - SilverScreen.

1. Easily select products & fabrics that are fit for purpose
2. Generate detailed specifications with access to technical data & imagery
3. Ability to copy & paste specifications & order fabric samples



MOTORISATION

COMPLETE CONTROL

Experience greater convenience and luxury in your home or office with Verosol's motorisation options for your blinds. Motorisation makes operating your blinds easy, eliminating any cords or chains. Have complete control of the light in a room with the touch of a button.

Motorisation is ideal for large or hard to reach windows. Verosol offers the latest technology in blind motorisation, with different options available to suit your workplace, home and lifestyle.



AUTOMATION

Controlling your motorised blinds has never been easier. Verosol offer a wide range of control devices including switch, sensor, remote, and app based technologies.



REMOTE CONTROL RANGE

A range of remote control options provides easy programming, allowing you to manage individual blinds or a group of blinds simultaneously.



WALL SWITCH RANGE

Wall switches are practical for controlling the opening and closing of blinds. With a wireless option and a range of colours available, the wall switch is easy to install and will match any interior.



SUN SENSORS

Automate the raising and lowering of your blinds according to the amount of sunlight in a room with a wireless sun sensor, easily mounted onto the inside of your window or window sill.



VOICE & APP CONTROL

Verosol motorised blinds provide easy integration with a variety of home automation assistants and building management systems.

Experience true convenience with our smartphone APP. Monitor and control your internal and external blinds anywhere, anytime.

For optimum comfort, automate timers to raise and lower your blinds based on the time of day / day of the week.

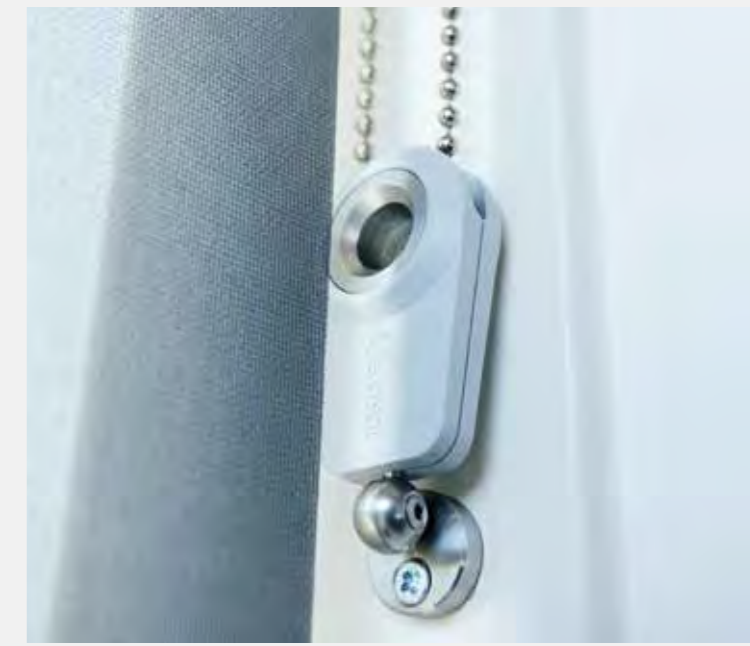
It's now as easy as...

- Hey Siri
- Hey Google



CHILD SAFETY

Cords and chains on blinds can be a hazard to children. Child safety is very important to Verosol, and that's why all Verosol blinds are installed with a child safety device. However with motorisation, you can have complete peace of mind when it comes to your child's safety, as it eliminates the need for any cords or chains.



WARRANTIES

QUALITY ASSURANCE

Our Blinds are manufactured in Australia, and engineered to perform in the harsh Australian climates, giving you window coverings that not only perform, but also last. Verosol continues to set industry benchmarks with our exclusive expertise in the unique metallisation process. Verosol is committed to providing our customers with the highest quality products in the market. This is achieved through stringent quality control processes where each finished product is 100% tested and inspected.

7 YEAR + WARRANTY

Verosol has a long tradition of manufacturing premium quality window furnishing across Australia and around the world. With our stringent quality control processes, Verosol is confident your purchase will perform at its best.

Verosol Blinds come with a seven (7) year + nationwide back to base warranty across the entire range of products, covering component failure and manufacturing issues.


Note: Verosol Shutters comes with 5 years + warranty or more, depending on the Shutter range.

For more information on our 7 year + warranty, visit verosol.com.au

CERTIFICATION





 1800 011 176

 info@verosol.com.au

 verosol.com.au

Verosol