

**TSRW**

TONY SANDELL  
ROOF WINDOW

# Content

## It's a Lifestyle

Transform spaces using daylight and fresh air

## Behind the Brand

Our legacy is in our quality craftsmanship

## Navigating you to the Right Choice

For your home and wellbeing

## Understanding the Products

Finding the right fit

## How it Works

Condensation and heat build up

## Our products at a Glance

Selecting the right solution for you

## Size Guide

Standard and special sizes

## Glazing Options

For durability, insulation, and climate control

## Installation and Flashings

Efficient, precise and water tight

## Interiors & Accessories

For seamless integration. Where function meets design





## It's a Lifestyle

Adding a roof window or skylight isn't just a structural upgrade, it's a lifestyle choice that transforms how you live, feel and connect with your space.

### Natural Light in Your Daily Routine

Flooding your space with daylight boosts mood, energy levels, and productivity making mornings brighter and rooms feel more alive.

### Connects You to the Outdoors

A roof window invites the sky in. Whether there are clouds drifting by, a moonlit night, or leaves rustling above, it creates a constant connection to nature and the changing seasons.

### Enhances Wellbeing & Mental Clarity

Natural light and ventilation improve sleep, helps regulate the circadian rhythm and reduce stress, thus supporting a calmer, more grounded lifestyle.



### Transforms Ordinary Spaces

From kitchens to lofts, roof windows can turn once-dark or unused corners into uplifting, usable, and inspiring spaces. Whether for cooking, reading, working, or relaxing.

### Encourages Fresh Air and Flow

Roof windows can open, allowing for natural ventilation, which keeps your space fresh, reduces indoor toxins, and promotes a healthy home and fresh environment.

### Aesthetic + Emotional Impact

Beyond function, they add a sense of openness and elevation expanding how a room feels. This supports a lifestyle that values beauty, lightness, and intentional living.

# Behind the Brand

Our legacy is in our quality craftsmanship



## Locally Made. Built to Last.

“At TSRW we are proud to be the only South African manufacturer of the centre pivot roof window, and skylights, with all of our products locally designed and made. This homegrown approach ensures that we have complete control over the quality of our products, from the materials we use to their inhouse construction and the installation process.”

## Investing in People

More than just a manufacturer, TSRW is committed to skill development and job creation. The team is trained in-house to ensure a high standard. Staff can work across multiple roles on the production line or join the specialised installation team. It's a business built on craftsmanship, care and community.



## Supporting Sustainable Design

TSRW plays a key role in collaborating with homeowners and architects who are committed to Green Building practices. By enhancing natural light and ventilation, TSRW's roof windows and skylights help reduce the need for artificial lights and cooling, of which both are important steps toward more energy-efficient, sustainable homes and buildings. In the context of South Africa's climate and energy challenges, this isn't just a design choice, it's a responsible investment in the future of our economy and environment.

## Made for the South African Climate & Conditions

With over 40 years of industry expertise, TSRW designs and manufactures products specifically to meet the varied demands of the South African climate.

Each unit is precision-engineered using high-performance materials and advanced sealing systems to ensure optimal resistance to UV exposure, heavy wind driven rainfall, and temperature fluctuations.

Our products are built for structural integrity, energy efficiency, and lasting reliability.

## We are proudly South African

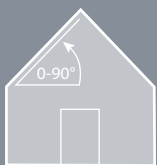
Every product is designed, manufactured, and assembled in Cape Town before being sent nation wide - creating jobs, nurturing skills, and contributing to the growth of the local economy.

Choosing TSRW means supporting a homegrown business and our commitment to upholding the excellence of our local craftsman.



# Navigating you to the right choice

for your home and wellbeing



## 1. Identify roof pitch

Knowing the pitch of your roof will help determine which TSRW product is best suited for your needs. Roof windows and skylights can be installed on flat and pitched roofs.



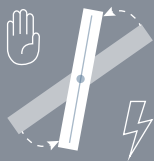
## 2. Choose amount of daylight & ventilation

When deciding on a roof window or skylight there are a few factors to consider: What the structural integrity of your roof will allow and the glazed surface area of the roof opening in relation to the floor space (and its function).



## 3. Glazing options

Select the right glazing finish for your environment. Glazing will improve the sound, temperature and UV control through your roof window or skylight while still allowing in natural light.



## 5. Select operations method

TSRW roof windows can be operated by hand, with a top catch and rod or with motorised operators. This makes those hard to reach roof windows in double volume spaces effortless and user friendly.



## 6. Installation and waterproofing

TSRW's specialised flashing systems are designed to match each specific roofing material exactly. This is to provide maximum protection against water penetration, mould and condensation build up ensuring a long lasting fit.



## 7. Manage Light control

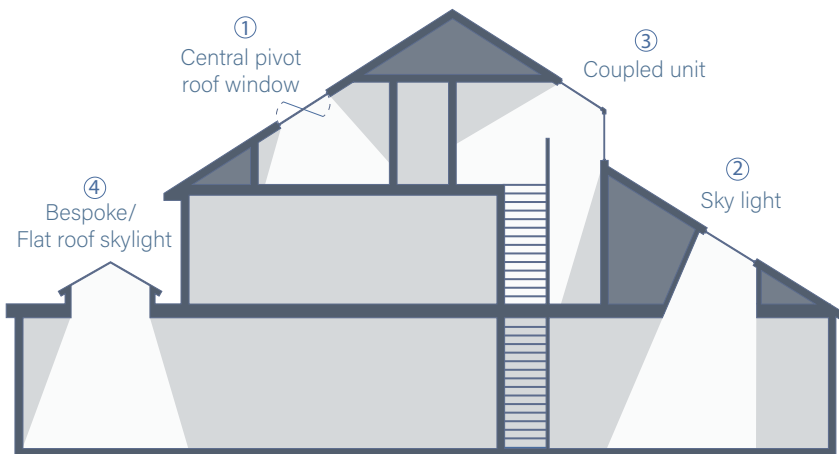
Add interior blinds to dim or blackout the light, selecting from our in-house range of fabric's to match your interior needs and finishes.



# Understanding the Product

## Finding the right fit

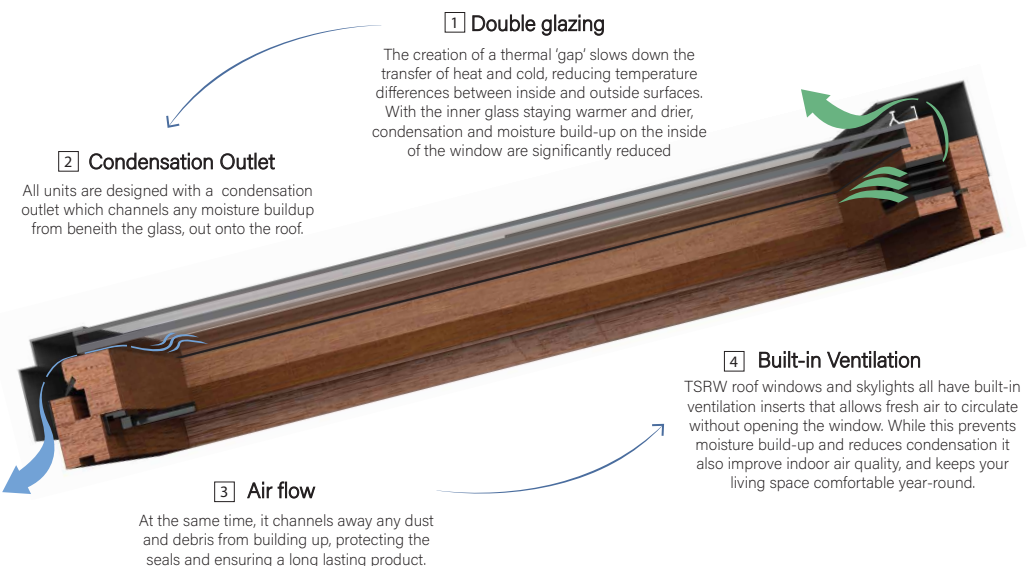
At TSRW, we offer a wide range of roof windows, skylights, and accessories to suit every space, style, and functional need. From sleek contemporary designs to timeless classics, our products are crafted with precision and built to last. We understand that every space is unique, which is why we take the time to guide you through our selection, helping you choose the solution that offers the perfect balance of light, ventilation, and aesthetic appeal.



Finding the right fit is essential not only for performance and comfort, but for creating a space you'll enjoy for years to come.

# How its works

## Condensation and heat build up in roof windows and skylights



### 1 Double glazing

The creation of a thermal 'gap' slows down the transfer of heat and cold, reducing temperature differences between inside and outside surfaces. With the inner glass staying warmer and drier, condensation and moisture build-up on the inside of the window are significantly reduced.

### 2 Condensation Outlet

All units are designed with a condensation outlet which channels any moisture build-up from beneath the glass, out onto the roof.

### 3 Air flow

At the same time, it channels away any dust and debris from building up, protecting the seals and ensuring a long lasting product.

### 4 Built-in Ventilation

TSRW roof windows and skylights all have built-in ventilation inserts that allows fresh air to circulate without opening the window. While this prevents moisture build-up and reduces condensation it also improve indoor air quality, and keeps your living space comfortable year-round.

# Our products at a glance

Selecting the right solution for you



① Central pivot roof window



② Skylight



③ Coupled units



④ Bespoke design

## ① Central pivot roof window

Design without compromise to maximise light and airflow

### Glazing extrusion

Specially designed aluminium extrusions is used to securely seal the glass into the recessed frame with an allowance for a silicone strip to be added to ensure a watertight seal.



### Frame support clips

This system ensures precise alignment critical for a smooth operating window, while simplifying ensuring an accurate fitting process.



### Built-in Ventilation

The ventilation insert in a TSRW roof window is designed. By enabling controlled passive ventilation, it reduces humidity build-up, prevents condensation on glazing surfaces, and supports consistent indoor air quality without compromising thermal performance or security.

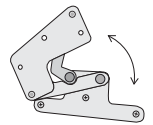
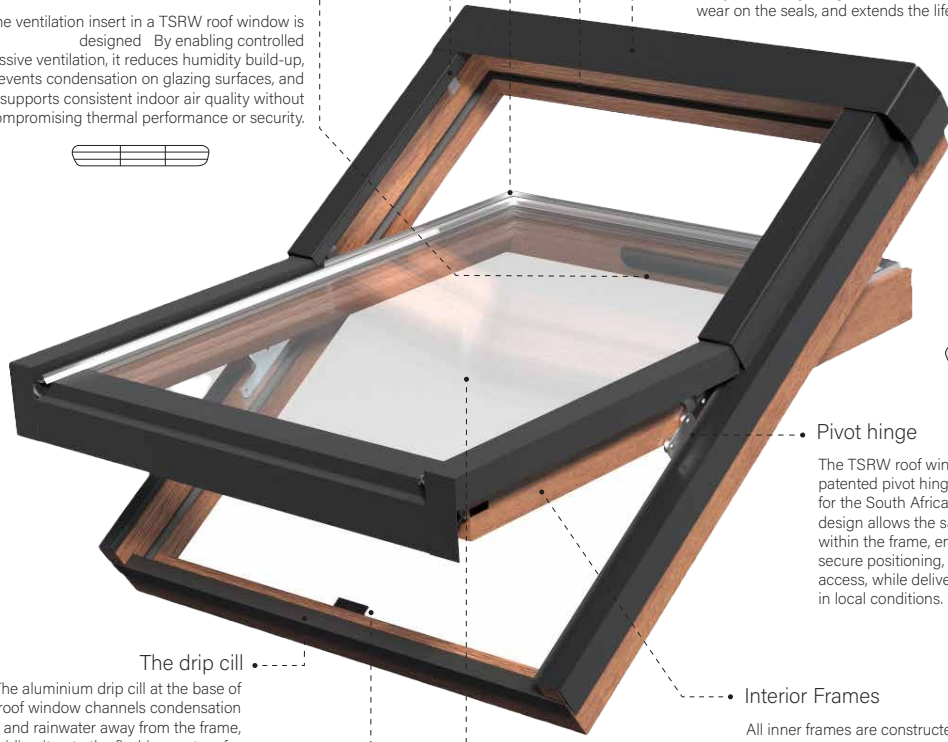


### Rubber seal

Between the fixed wooden frame and the pivoting sash, TSRW roof windows incorporate precision-engineered EPDM rubber seals. These maintain consistent compression for a weather-tight seal, reduce air leakage, and ensure long-term durability without compromising ease of operation.

### Outer aluminium frame

The top hood and surrounding outer aluminium covers are made with a corrosion-resistant PVF2 coating, which enhances durability and provides a sleek, modern appearance in a charcoal grey finish. The hood shields the window from direct rain and harsh weather by directing water away from the glazing and frame, which prevent leaks, reduces wear on the seals, and extends the lifespan of the roof window.



### Pivot hinge

The TSRW roof window features our uniquely patented pivot hinge, specifically engineered for the South African climate. This precision design allows the sash to rotate smoothly within the frame, ensuring easy operation, secure positioning, and convenient cleaning access, while delivering long-term durability in local conditions.

### The drip cill

The aluminium drip cill at the base of the roof window channels condensation and rainwater away from the frame, guiding it onto the flashing system for effective drainage and long-term protection.

### Opening mechanisms

TSRW roof windows can be operated in three ways: by hand, with an extension rod for out-of-reach installations, or through a motorised operator for effortless control at the touch of a button.

### Double-glazed glass

TSRW roof windows can be fitted with double-glazed glass for enhanced performance. The dual-pane system improves insulation, reduces heat loss, minimises noise, and increases energy efficiency, all while allowing maximum natural light into your space.

### Interior Frames

All inner frames are constructed from quality kiln dried meranti. All frames come either pre-varnished or sprayed white prior to final assembly. Alternative colours can be done on request.

## ② Skylight

The skylight is comprised of the same components as our roof window (without the inner frame)



### ③ Coupled or Combination Units

Flexible Combinations for Your Space



Our roof windows can be coupled or combined with additional skylights, to create a solution tailored to your needs.

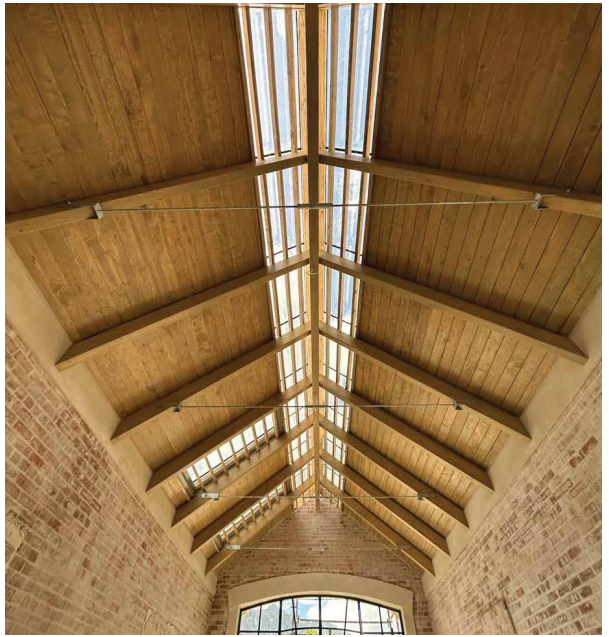
Whether installed side-by-side or extended upwards, these combinations enhance the architectural flow of your home while drawing in maximum natural light. By butting roof windows to skylights, you can open up your space to sweeping, panoramic views and a brighter, more inviting atmosphere.

Flashings Type U, L, F and R are available with coupled skylights installed next to each other.

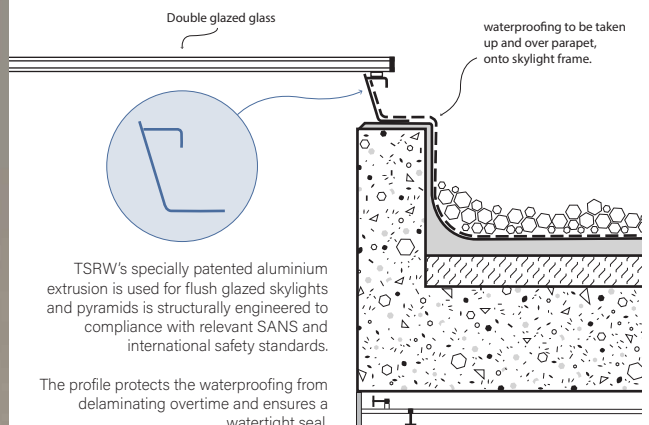
### ④ Bespoke Designs

TSRW also specializes in custom designed butt-jointed glass pyramids and flush-glazed units.

Each unit is manufactured to size using our exclusive aluminium extrusion system, which can be powder-coated in any colour to suit your design. A wide range of glazing options are available to meet both aesthetic and performance requirements. These units are ideally suited for flat concrete or boarded roofs and are finished with torch-on waterproofing to ensure long-lasting durability.



Typical Section of a Flushed Glazed Unit





## Size Guide of Light Area

Find what fits your needs and architecture

	1	2	3	4	5	6	7	8	9	10	66
Roof window (RW)											
Skylight (SK)											
Outside dimensions W x H in mm	550 X 965	780 X 965	700 X 1210	1140 X 965	780 X 1435	1140 X 1210	940 X 1435	940 X 965	550 X 1210	600 X 600	550 X 650
ROOF WINDOW Light area	RW1	RW2	RW3	RW4	RW5	RW6	RW7	RW8	RW9	RW10	-
	0.32 <sup>2</sup>	0.51 <sup>2</sup>	0.58 <sup>2</sup>	0.80 <sup>2</sup>	0.80 <sup>2</sup>	1.05 <sup>2</sup>	1.01 <sup>2</sup>	0.64 <sup>2</sup>	0.42 <sup>2</sup>	0.20 <sup>2</sup>	-
SKY LIGHT Light area	SK1	SK2	SK3	SK4	SK5	SK6	SK7	SK8	SK9	-	SK66
	0.41 <sup>2</sup>	0.61 <sup>2</sup>	0.69 <sup>2</sup>	0.92 <sup>2</sup>	0.93 <sup>2</sup>	1.19 <sup>2</sup>	1.15 <sup>2</sup>	0.75 <sup>2</sup>	0.52 <sup>2</sup>	-	0.26 <sup>2</sup>

These are combinations of standard widths and lengths, with only the glass being non-standard. Full specials can be made on request to a maximum glass size of 1,5 m<sup>2</sup>.

## Glazing Options

For durability, insulation, and climate control

Our standard double glazed offering is 4mm /6mm TSG (toughened safety glass) with an 8mm spacer, finished with and 6.38mm pvb (clear laminated glass that incorporates a layer of Polyvinyl Butyral). Other glass options available on request.

	TYPE	AESTHETIC	VLT%	LRE%	EA%	SHGC	U - VALUE
GLAZING OPTIONS Sealed Insulated Double Glazing	ENVIROTERM <b>3</b>	Clear Medium Reflective	36	21	56	0.41	2.70
	ENVIROTERM <b>7</b>	Clear Low - E	73	16	35	0.62	2.00

VLT% Percentage of visible light transmitted LRE% Percentage of visible light reflected EA% Percentage of heat absorbed SHGC Solar heat gain coefficient U-VALUE Conducted heat gain/loss

### UV Protection

Many double-glazed units include coatings that reduce the amount of UV light entering your space, protecting your furnishings and flooring from fading.

### Energy Efficiency

By reducing heat loss and heat gain, double glazing lowers the need for heating and cooling, which can help reduce energy bills over time.

### Noise Reduction

The dual glass layers help block out external noise, creating a quieter and more comfortable indoor environment.

### Increased Security

Double glazing is harder to break than single-pane glass, providing an added layer of security to your space.

### Reduced Condensation

The insulating gap between the panes minimises the temperature difference between indoors and outdoors, helping prevent condensation build-up.

### Improved Insulation

Double glazing creates an insulating barrier between two panes of glass, helping to keep your space warmer in winter and cooler in summer.

# Installation and Flashings

Efficient, precise and water tight

## Unique Flashing Systems

Flashings are a critical component in the installation of any roof window or skylight, ensuring a secure and watertight connection between the product and your roof. It is specifically designed to guide water away from the window frame and roof opening, ensuring both a neat appearance and long waterproof lifespan. Proper flashing also helps maintain the thermal efficiency of your installation, reducing drafts and heat loss. At TSRW, we use high-quality, purpose-made flashing systems specific to each roof to guarantee long-term performance, durability, and peace of mind.

Our technical department can also develop special flashings for most non-standard applications.



### T-Flashing

Installed to thatched roofs.



### L-Flashing

Installed to fiber cement, mazista and conventional slate.



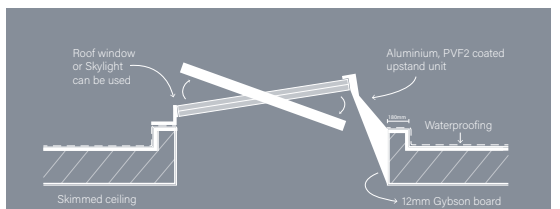
### Upstand - Flashing

Used on low pitched sheet roofs, flat concrete slabs and board and torched applications.



### R-Flashing

Used on concealed fix pitched roofs and close to ridge applications. Often used with backflashing.



### Section of Upstand into concrete

The TSRW upstand unit is installed at an angle to ensure effective water runoff, preventing pooling on the glass and reducing the risk of leaks. The angled design also maximises light entry and improves the self-cleaning effect of rainwater, keeping the skylight clearer for longer.



### U-Flashing

Installed to concrete tiles or corrugated roofing, above 15°

# Interiors & Accessories

For seamless integration. Where function meets design



## Interior frame finishes

All Roof Window and skylight inner frames are constructed from quality kiln dried meranti. All frames are pre-varnished or sprayed white prior to final assembly, ensuring an even overall coating. Pre-painting offers a quality finish that cannot be matched by painting after completion of installation.

Custom timber frames are available on request.

## Ceiling finishes

Various ceiling finishes can be discussed with your approved installer to offer maximum light efficiency as well as aesthetics that will complement the architecture of your building. A light well or simple ceiling trim are the main options and are often dictated by the architecture and placement of the skylight or roof window.



### 1 Ceiling trim

The ceiling trim gives TSRW skylights a clean, refined internal finish, neatly framing the glass and blending seamlessly with the ceiling.



### 2 Light well

A light well is a vertical shaft that channels natural light from a TSRW skylight into the rooms below, brightening interior spaces while maintaining a clean, architectural finish.

## Out of reach applications

Out of reach Roof Windows can be operated by a compact 220V motorised operator or by a top catch and rod mechanism (various rod lengths are available depending what is required for the space).



## Blinds

We offer a range of blinds and materials which can be retro-fitted or pre-installed. Roller blinds are available in five colours, three of which utilise block out fabric.

### Block-Out Blinds

- Completely block light
- Maximum privacy
- Ideal for bedrooms & media rooms

### Translucent Blinds

- Filter & soften daylight
- Reduce glare while keeping brightness
- Ideal for living spaces, kitchens & offices

### Standard Blockout colours

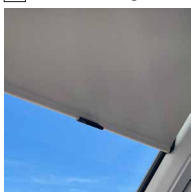
#### 1 Blockout white



code:  
RBBW



#### 2 Blockout Beige



code:  
RBBG



#### 3 Blockout gray

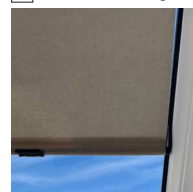


code:  
RBBG



### Standard Translucent colours

#### 1 Translucent beige



code:  
RBTB



#### 2 Translucent Grey



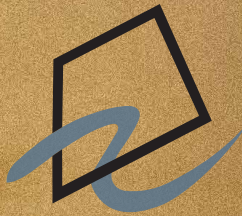
code:  
RBTG



Out of reach blinds require an RAB adaptor or crank handle operation of the blind and window.

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