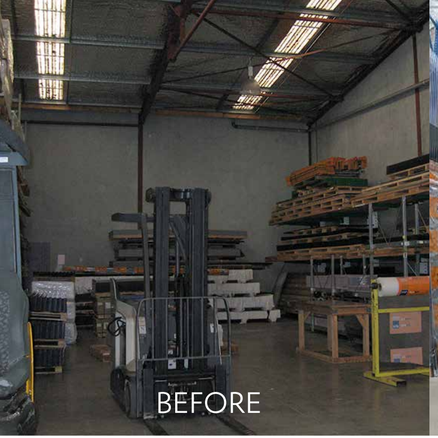


BENEFITS OF NATURAL DAYLIGHTING

Daylight is an essential natural asset with numerous benefits:

HEALTH

Natural daylight helps people feel better by triggering the release of serotonin. Studies have proven that recovery rate of hospital patients is accelerated where levels of natural light are increased. Seasonal Affective Disorder (or SAD) is a clinically diagnosed condition in which the lack of sunlight in winter makes people feel ill; increased exposure to daylight will reduce the risk of SAD and also aid the healing process. Natural Ultraviolet light creates Vitamin D through our skin, which produces calcium for healthier bones & teeth.

EDUCATION

Research demonstrates a clear correlation between classrooms with good natural light and improved student performance and even attendance. This is because in natural light children concentrate better so are more focused and less easily distracted. Some studies suggest that better health helps to explain the improved attendance.

WORKPLACE

Daylight improves concentration so that working environments tend to achieve increased productivity. Research in retail areas suggests that many sales outcomes tend to improve in naturally lit locations. Colours are more vivid and true, making goods appear attractive and encouraging customers to spend more time in these areas. Leading retail organizations include large areas of skylights in specifications for all new building projects to ensure a high percentage of evenly distributed natural daylight within the interior.

ENERGY SAVING

Skylights can be extremely effective in reducing energy consumption in any given structure. Since lighting represents a significant and controllable part of a structure's expense, energy saving has an undeniable economical benefit. This will also help the environment by reducing the structure's carbon footprint. Specially tinted skylights with Near-Infrared blocking can reduce heat gain and consequently air conditioning requirements.

SPREAD OF LIGHT COMPARISON

Clear Roofing

Suntuf Diffused

Suntuf Diffused Skylighting provides a 180 degree spread of light that is brighter compared to clear and tints. The bright light provides unique energy saving properties, making it ideal for farm sheds/workshops without a power source.

WARRANTY

LIGHT TRANSMISSION - 25 YEARS

Warranted for 25 years against loss of light transmission as a direct and exclusive result of solar radiation impact.

BREAKAGE - 20 YEARS

Shall not break due to loss of impact strength as a direct and exclusive result of weathering and/or, shall not break as a direct and exclusive result of the impact of hail, measuring up to 25mm (1") diameter, attaining a velocity of up to 20m/s (44.7mph).

For a more detailed warranty, visit our website.

SuntuF™ Diffused Skylighting

PRODUCT RANGE/DIMENSIONS

Type	Thickness	Cover Width	Length	Surface
Corrugated	1.2mm	760mm	1800mm 2400mm 3000mm 3600mm 4200mm 4800mm 6000mm 7200mm 9000mm	UV 1 Side Gloss/Satin
5 Rib Plumbdek	1.2mm	765mm		UV 1 Side Gloss/Satin
5 Rib TrimSpan	1.2mm	760mm		UV 1 Side Gloss/Satin
6 Rib TrimSpan	1.2mm	735mm		UV 1 Side Gloss/Satin
7 Rib MaxSpan	1.2mm	900mm		UV 1 Side Gloss/Satin
10 Rib V Rib	1.2mm	919mm		UV 1 Side Gloss/Satin
Profile Metal Washers with EPDM Gaskets Multi-Purpose Roof Fasteners (Fixes to Timber & Steel)			50 Per Box	Galvanised
Multi-Purpose Wall Fasteners (35mm) with Aluminium Neo Washer (Fixes into Timber & Steel)			50 Per Box	Galvanised
Side Stitch Fasteners (Suntuf to Metal)			100 Per Box	Galvanised
Side Stitch Fasteners (Suntuf to Suntuf)			10 Per Box	Galvanised
Profile Matching Eave Filler (Male/Female Combo)				Foam (White)
Joining/Lapping Tape	1mm	25mm	37m	Butyl (Light Grey)
Purlin Tape Anti-Noise	5mm	50mm	12m	Foam (White)

PANEL PHYSICAL PROPERTIES

Property	Result
Weight	1.2kg/m^2
UV Performance	Excellent*
Impact Strength	Excellent*
Withstand Hail	Excellent*
Light Transmission	85%
Service Temperature	- 50 to + 120
Expansion/Contraction	6mm/m
Minimum Recommend Pitch	5°
Fire Rating	Group 1S*
Cleaning	PSP Cleaner, or warm soapy water & soft cloth. Do not wipe when dry.

*More detailed technical information available upon request. Contact PSP for installation brochures.

Clear Roofing vs Suntuf Diffused Skylighting

Clear Roofing

Suntuf Diffused Skylighting

SAFETY

Never walk directly on Suntuf Diffused Skylighting Polycarbonate sheets. Use a board placed across at least 3 rafters to spread the load.
Ensure all local safety building regulations/codes are adhered to.

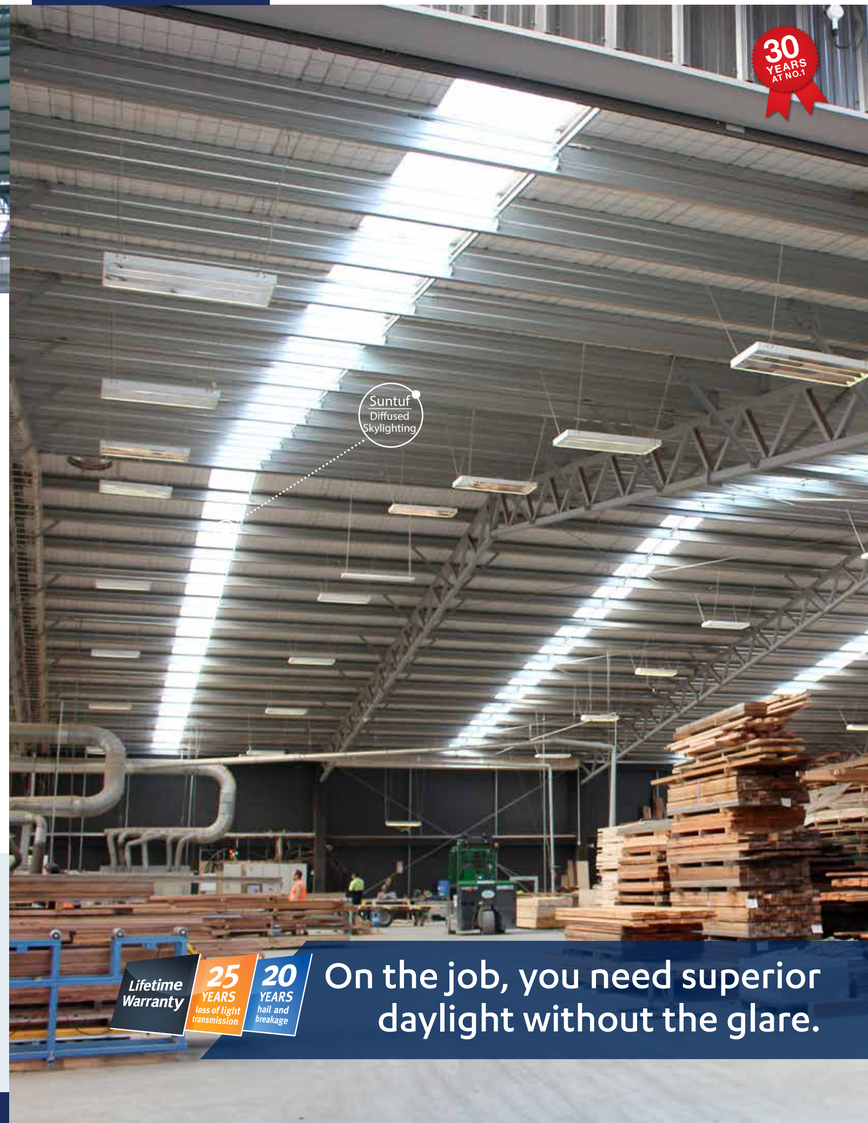
HANDLING, STORAGE & MAINTENANCE

Suntuf Diffused Skylighting sheets should be handled with care to avoid any unnecessary scratches prior to installation. Suntuf Diffused Skylighting should be stored on a flat surface away from direct sunlight. When stacked together this will prevent possible magnification of the sun's rays through the top sheets which may cause distortion of the lower sheets. Prevent moisture getting between stored sheets. Suntuf Diffused Skylighting will continue to look new when washed down regularly with a soft sponge and warm soapy water. It is unaffected by a wide range of chemical substance however, it is important to avoid chemicals, adhesives, paint or other synthetic materials that are not compatible with polycarbonate. Please contact PSP Translucent Roofing if you are unsure.

PSP TRANSLUCENT ROOFING

www.skylighting.co.nz | 0800 SUNTUF (786 883) | info@suntuf.co.nz

SuntuF™ Diffused Skylighting



On the job, you need superior daylight without the glare.

30 YEARS AT NO.1

SunTuf™

Diffused Skylighting

SUPERIOR DAYLIGHT WITHOUT THE GLARE

Suntuf Diffused Skylighting is designed to stand up to NZ's extreme environmental conditions and is suitable for all exterior applications. It is rated Group1S under the NZBC surface finishes requirements, and is guaranteed to maintain exceptional light transmission for many years.

Using an advanced profile matching technology Suntuf Diffused Skylighting can be made to match any NZ metal roofing profile, and can be integrated into most design scenarios which require roof or side lighting. With a superior warranty for extended light transmission and durability of 20 years, Suntuf Diffused Skylighting blocks 99.9% of harmful UV radiation, whilst allowing 85% of light into the building interior.

In many buildings older than 15 years clear fibreglass panels were the only option for ensuring a natural lighting source. Suntuf Diffused Skylighting is now an option & has the durability to withstand tough New Zealand conditions.

SUNTUF DIFFUSED SKYLIGHTING FEATURES

- BRANZ Group 1 Fire Rating
- 180° Spread of Bright Light
- Blocks 99.9% of Harmful UV Rays while letting through good UV so plants can still grow
- Available up to 9m lengths
- Energy/Power Saving
- Reduces Glare
- Eliminates Dark Shadowing
- Profile Matching Available

TYPICAL APPLICATIONS

- Commercial & Industrial Skylights
- Warehouses
- Schools
- Supermarkets
- DIY Trade Merchant Stores
- Garden Centres & Nurseries
- Barn & Farm Sheds
- Side Lights
- Canopies & Pergolas
- Cladding

Lifetime Warranty | 25 YEARS loss of light transmission | 20 YEARS hail and breakage

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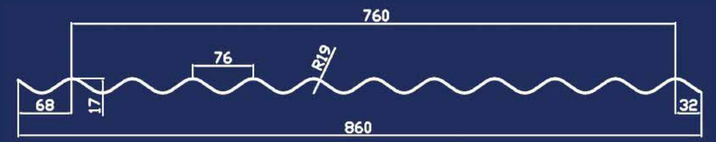
STANDARD PROFILES

Corrugated - Iron 76/17

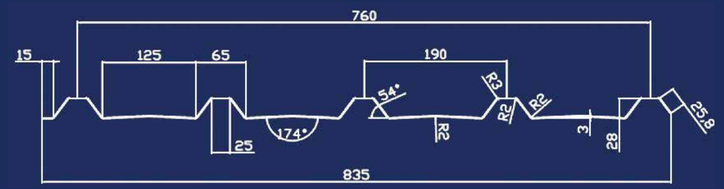


Plumbdek - 5 Rib

Compatible with Metalcraft MC 760, Calder Stewart Hi Five, Steel & Tube Plumbdek, Roofman 5 Rib

TrimSpan - 5 Rib

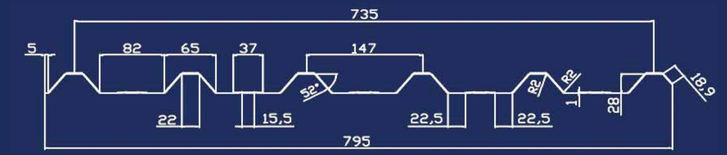
Compatible with Metalcraft MC 760, Roofing Industries Trimrib S, Roofing Industries Trimrib V, Roofing Industries Trimrib TS, Contour Roofing 5 Rib Note: Trimline metal profiles are swaged in through Suntuf, TrimSpan 5 Rib is not



STANDARD PROFILES

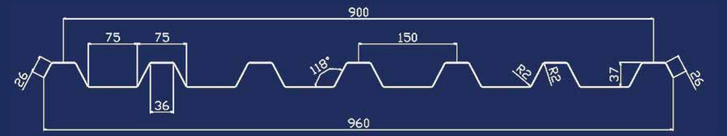
TrimSpan - 6 Rib

Compatible with Steel & Tube Trimline



MaxSpan - 7 Rib

Compatible with Dimond BB900, Steel & Tube ST 900



V Rib - 10 Rib

Compatible with Dimond V Rib

Custom matches to any metal profile available on request. (MOQs may apply)

Without Skylights

Suntuf Diffused Skylights Installed