



## SKYLITE Industrial

### Corrugated Polycarbonate Skylights

#### Introduction

**SKYLITE** Industrial is the most superior and revolutionary corrugated skylight panel in the world. **SKYLITE** Industrial possess up to 20 times the impact resistance of fiberglass and 200 times the tensile strength of glass.

**SKYLITE** Industrial has the highest light transmission values, the lowest yellowing index, the highest load rating, and the highest resistance to wind uplift. These outstanding properties have been confirmed in accredited laboratory testing and in installations worldwide. Virtually unbreakable **SKYLITE** Industrial corrugated polycarbonate retains its impact properties over a wide temperature range while meeting building code requirements.

**SKYLITE** Industrial is generally available in light diffuser which maximises the light transmission, but diffuses the light to avoid direct radiance (other colours such as clear and bronze are available on special order).

#### Features at a Glance

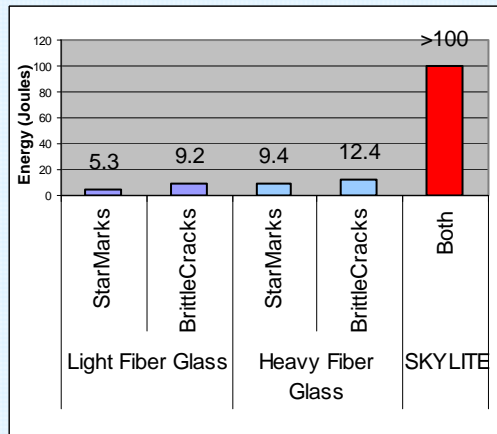
- **Saves Time, Energy, Money**
- **Impact Resistance** – Virtually unbreakable, no chipping or cracking
- **Light Weight, Quick and Easy Installation**
- **Transparent** – up to 90% light transmission (clear). No corrugated glazing material lets in more light
- **Weather Resistant** – Properties retained for many more years than alternative corrugated glazing and will not yellow
- **Can be installed over Existing Metal Roofs** (IT4 or IT5 Profile)
- **Resistant to Chemicals**
- **Easy to Clean**
- **Flammability** – low flammability and does not emit toxic gasses when burning
- **Warranty** - **SKYLITE** Industrial Sheets come with a warranty against yellowing and loss of light transmission.

#### Installation

**SKYLITE** Industrial is easy to work with and install. It is readily cleaned by simply using warm water and soap. **SKYLITE** Industrial can be Installed as single panels, strips or as a group of panels.

#### Impact Resistance

**SKYLITE** Industrial exhibits much greater resistance to high velocity impact than any leading fiberglass panel.

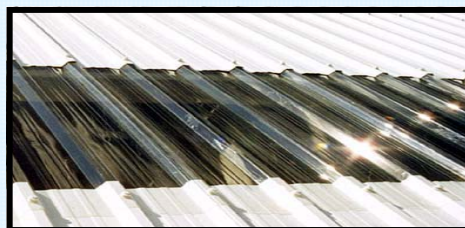


#### Profiles and Dimensions

**SKYLITE** Industrial is available in the standard IT4 profiles to match the most common IT4 or IT5 metal panel profiles.

Thickness: 1.0mm  
Width: 740mm  
Length: 3.5m

Other profiles and/or thickness/sizes are available on special order.



# SKYLITE INDUSTRIAL



# SKYLITE Industrial *Corrugated Polycarbonate Skylights*

## Colour and Light Transmission

Only **SKYLITE** Industrial corrugated polycarbonate skylights offer a range of options for light and heat transmission values.

SKYLITE <i>Industrial</i>		LIGHT TRANSMISSION	HEAT TRANSMISSION
Opal	Diffused light with good shading	45%	46%
Diffuser**	Maximum diffused light	87%	75%
Clear	Maximum light and heat	90%	80%
* Percentage of direct heat from the sun passing through the sheet			
** Recommended for all roofing panels			

## Flexibility

**SKYLITE** Industrial is virtually unbreakable and offers great design flexibility when curving both along and across the corrugations. **SKYLITE** Industrial can be curved longitudinally (depending on the radius of the curvature). Polycarbonate's unbreakable qualities make the sheet resistant to impact from even hammer blows, yet the sheets can easily be cut using a wide range of cutting tools.



## UV Protection

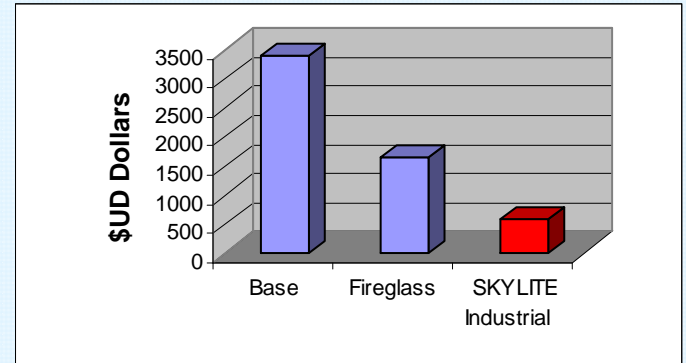
**SKYLITE** Industrial offers a maximum protection of 99.9% against harmful UV rays, offering protection all year round. This maximum UV protection also makes **SKYLITE** Industrial suitable for greenhouse applications. At the same time **SKYLITE** Industrial allows up to 90% of available light through the sheet and its resistance to weathering makes it suitable for Kenya's varied climatic conditions.

## Resistance to UV Radiation

**SKYLITE** Industrial's resistance to UV radiation is superior to that of fiberglass. **SKYLITE** Industrial will not yellow, and retains its clarity for many years.

## Cost Effectiveness

Research into the light energy loads of w/hour has shown natural light reduces the cost of electricity by up to 83% using **SKYLITE** Industrial Roofing panels.



## Versatility

**SKYLITE** Industrial's light weight allows it to be installed at almost any height, on almost any type of structure. **SKYLITE** Industrial offers a way to achieve the best combination of heat and light transmission.

**SKYLITE** Industrial is also used for covering verandas, pergolas, conservatories, gazebos, carports, spa pools, greenhouses and for use on fences, windbreaks or as skylights in garages, garden sheds and farm buildings.



## Longevity

**SKYLITE** Industrial is guaranteed not to lose more than 8% of the sheet's light transmission in its first 10 years and no more than 1% for every year thereafter.



**SKYLITE** Industrial is also guaranteed not to break from hail (up to 25mm in diameter) for 5 years. It is the protective layer co-extruded into the sheet that allows **SKYLITE** Industrial to maintain its high light transmission and stops it from yellowing. 20 year old **SKYLITE** Industrial Polycarbonate Sheeting has been tested, and the results have shown less than a 5% light transmission loss.



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