



## **Energy Efficient Factory Assembled Skylight System (EEFAS).**

**Developed in conjunction with the Kingspan KSI000 RW Roofing System, Ampelite Australia Pty Ltd has created the Energy Efficient Factory Assembled Skylight System (EEFAS).**

**As a totally integrated composite structure, the Ampelite EEFAS system offers many benefits over a traditional single sheet skylight design.**

**The Ampelite EEFAS system offers excellent thermal insulation properties and is designed to conform to the Building Code of Australia (BCA) requirements for Class 2 to 9 Buildings, including part J.**

**The Ampelite EEFAS system is preassembled using the highest quality components. With exceptional spanning and single fixing, the Ampelite EEFAS system offers all the benefits of sandwich panel construction.**



# Webglas GC (1)

'Webglas GC' is a revolutionary Glass Reinforced Polyester (GRP) sheet that incorporates a heavy gauge woven web matting. At 3660 Grams per Square Metre (GSM), 'Webglas GC' is a heavy duty industrial sheeting offering exceptional strength and durability. The glass mat reinforcement used in 'Webglas GC' provides continuous reinforcement in every direction. The overall strength is such that 'Webglas GC' has been rated as trafficable and therefore safety mesh is not required.

The special Gel Coated (GC) resin technology used in 'Webglas GC' is highly UV resistant and is the same as that used for Ampelite's premium grade 'Wonderglas GC', a proven material used in many major projects throughout Australia. 'Webglas GC' is a low maintenance product and is guaranteed for a period of 20 years.

# Lexan Thermoclear (2)

Lexan Thermoclear multiwall sheet is a high quality, low maintenance glazing material that is built to last. Manufactured in Lexan polycarbonate resin, it delivers high impact strength, an excellent balance of low weight and high stiffness and naturally "water-clear" transparency.

The multiwall construction of Lexan Thermoclear traps the air between layers, providing outstanding thermal insulation performance. When installed in the Ampelite EEFAS system, the thermal performance is greatly enhanced.

# System Assembly

The Ampelite EEFAS system is factory assembled ensuring the highest quality of all combined products are maintained.

The 'Webglas GC' and Lexan Thermoclear sheets are joined and sealed using high density Dow Styrofoam panel core spacers. Colorbond™ side and end support plates are added to offer stability and ensure perfect fitment with the Kingspan KSI000 RW roofing system.

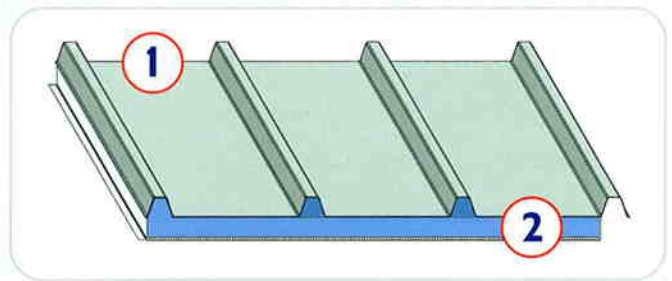
For specific details refer to the Ampelite Kingspan installation data sheet.

# Specification

The Ampelite Energy Efficient Factory Assembled Skylight (EEFAS) system is designed to be used with the Kingspan KSI000RW roofing system. This system is designed for use on normal factory and warehouse type of buildings, with a roof slope of 2 degrees or greater.

Ampelite EEFAS system and its components comply with the Building Code of Australia, Class 2 to 9 Buildings.

Webglas GC complies with Australian & New Zealand Standards including AS 1170.2: 1989, AS/NZS 4256.3: 1994, AS1562.3: 2006 and AS4040.1: 1992.



# Performance

Clear Lexan Thermoclear sheeting is provided as standard, if specific light and heat transmission figures are required, other colors are available. Please contact your nearest Ampelite office for more information. The thick Gel Coat (GC) incorporated in the 'Webglas GC' sheet is impervious and offers excellent resistance to surface delamination, UV and weathering, making it excellent in harsh Australian conditions.

## Purlin Spacing

Wind Pressure	4 Fasteners (Crest)	6 Fasteners (Pan)
1.0 kPa	3.0 m	-
1.5 kPa	2.3 m	3.0 m
2.0 kPa	1.7 m	2.6 m
2.5 kPa	1.4 m	2.0 m

# Installation

The Ampelite EEFAS system requires a minimum pitch of 2 degrees. The maximum length available is 6500mm. Exact lengths should be calculated based on steelwork plans/drawings. Please refer to Span Table in this document for maximum spanning. For a detailed installation sheet, please contact your nearest Ampelite office.

# Warranty

The following benefits are in addition to any rights conveyed by Government regulations and the Trade Practices Act. Ampelite Australia Pty. Ltd. warrant the Energy Efficient Factory Assembled Skylight System (EEFAS) over:

- 1. A period of 20 years (pro-rata cover) for the following:**
  - (a) The product will not allow water penetration through the actual sheet.
  - (b) The product will not de-laminate or allow protrusion of reinforcing fibres through the surface of the sheet.
- 2. A period of 10 years (pro-rata cover) for the following:**
  - (a) Remain structurally sound and shatter resistant under normal conditions. This includes fracturing of sheet by hailstones up to 25 mm in diameter accompanied by winds up to 100 km/hr.
  - (b) Excessive yellowing of sheets leading to loss of light transmission exceeding 10% of the original light value when installed below a latitude of 26° South of the equator. Installations above this latitude will be covered by individual warranty based on climatic conditions.

Ampelite Australia Pty Ltd ABN 91 487 122 629 - [www.ampelite.com.au](http://www.ampelite.com.au)

Ampelite is a wholly Australian owned company.  
Profits remain in Australia and taxes paid benefit our community.



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Quality Endorsed Company

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