

# Webglas GC FS Firecheck<sup>®</sup>

Trafficable Skylight & Fire-Safe GRP Skylight Sheeting



## Walk on Safety. Built-in Fire Defense.

The ultimate solution for roof safety, durability and fire performance.



### Key Features:

- **Safety in Design** - Engineered to withstand foot traffic, ensuring safe and secure rooftop access for maintenance and emergency purposes
- **Proven Durability** - Strongest GRP skylight on the market; will not buckle or compress like steel profiled sheeting
- **Enhanced Fire Resistance** - Integrated FS FireCheck technology uses a halogen-free, intumescent impregnated glass tissue that forms a protective carbon char barrier, preventing flame spread and smoke development.
- **Hail & Storm Proof** - Designed to resist hail impact and extreme weather events
- **Natural Light Benefits** - Provides abundant daylight, reducing energy costs and improving building occupant well-being
- **Patented Fixing System** - Exclusive steel PermaLok fixing washer ensures long-term waterproofing and structural integrity of roofing system
- **Sustainability** - Cuts 99% of UV transmission, reducing heat load while ensuring stable light diffusion

### Fire Performance Standards

Webglas GC FS FireCheck has been rigorously tested against Australian and international standards:

- AS/NZS 1530.3:1999 - Simultaneous determination of ignitability, flame propagation, heat release, and smoke release
- BS 476-6 & BS 476-7 - Fire Propagation Index and Surface Spread of Flame
- ASTM E108:2001 - Class A (roof coverings)
- AS5637.1:2015 - Group 3

Independent CSIRO comparative testing demonstrated the superior fire performance of FS FireCheck sheets, withstanding direct 40 kW flame exposure for over 31 minutes – significantly exceeding the performance of standard fibreglass and conventional fire-retardant sheeting. The test was concluded at 31 minutes, though FS FireCheck continued to perform exceptionally and showed the potential to endure substantially longer under the same conditions.

# Webglas GC FS Firecheck®

Engineered for Rooftop Safety. Certified for Fire.

## Applications

- Skylights for commercial, industrial, and institutional buildings
- Roofing and wall cladding in Class 2-9 buildings where fire safety is critical
- Ideal for facilities requiring safe roof access, fire protection, and long-term durability.

## Translucent Colours

Ice Clear

Opal

Cool-Lite

## Span and Fastener Table

Sheet application		No. of Fixings M <sup>2</sup>	Skylight Strip *Complete Roof		
Profile	Fastener Spacing		1.0kPA	2.0 kPA	Maximum
Corrugated	every 2nd crest	6.5	1.9 m	1.5 m	1.5 m
5 Rib	every crest	5.2	2.1 m	1.6 m	1.7 m
Spandek	every 3rd crest	3.8	2.2 m	1.6 m	1.9 m
700 Decking	every crest	4.2	2.0 m	1.5 m	1.9 m

\*Maximum span for complete 'Webglas GC' roof, allowing for concentrated load testing as per AS1562.1

## Light/Shade Factors

	Light transmission	SHGC
Ice Clear	49%	0.36
Opal	50%	0.34
Cool-Lite	31%	0.26

## Roofing Profiles

Trimdek (5-rib), Corrugated, Spandek, 700 Decking and all popular profiles.

## About Ampelite

Ampelite is Australia's largest and most experienced manufacturer of fibreglass and polycarbonate roofing and cladding solutions. Proudly Australian-owned and operated for over 50 years, we are committed to delivering products that combine innovation, safety, and sustainability.

Our manufacturing is certified to AS/NZS ISO 9001 Quality Management Systems, and every sheet is engineered to perform under Australia's toughest conditions. With offices across Australia and New Zealand, Ampelite supplies world-class daylighting and safety solutions that enhance buildings, reduce energy use, and improve occupant wellbeing. When you choose Ampelite, you choose local expertise, proven performance, and a company that reinvests in the community it serves.

## Warranty & Assurance

20-Year Warranty - Trafficable skylight durability, fire performance and weathering resistance.



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Ampelite is proudly Australian owned and manufactured. Profits remain in Australia and taxes paid benefit our community.

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