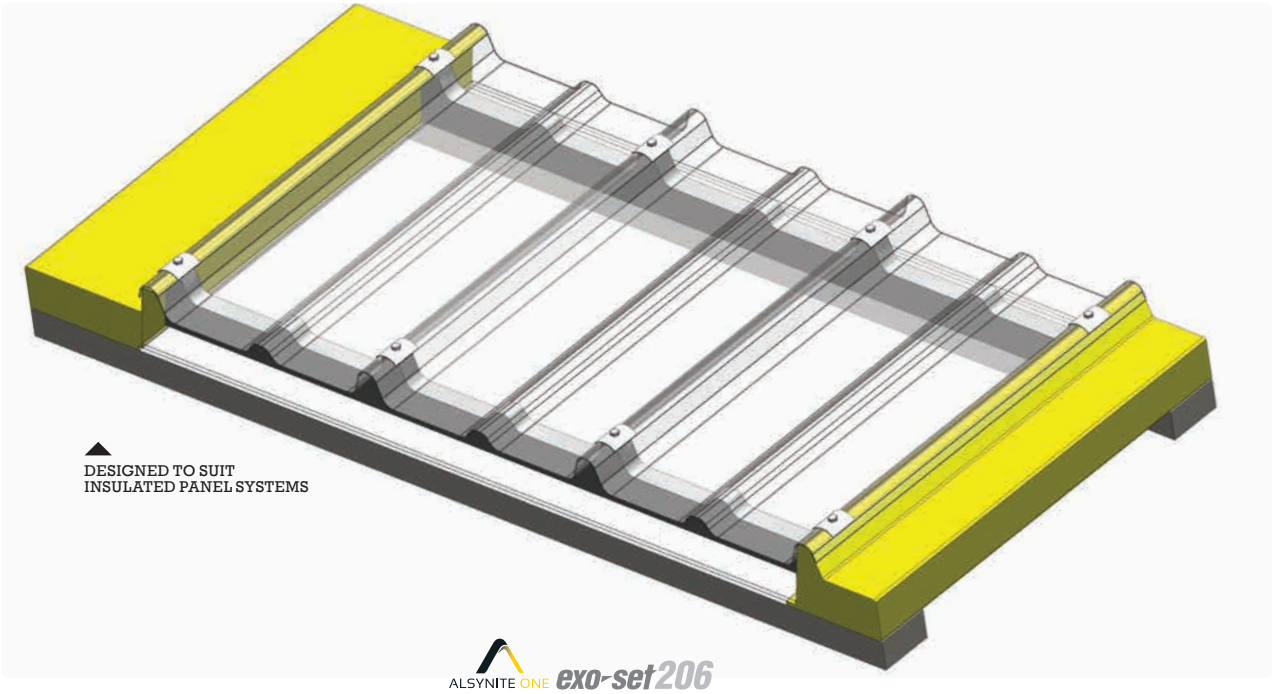
Triple Skin Systems

Translucent Roofing



ALSYNITE ONE exo-set 206
PREMIUM GRADE GEL COAT

Introduction

Topglass® Triple-Skin Systems are primarily designed as a suitable fully insulated natural lighting roofing product. Topglass® GC Ultra-Safe is utilised as a weather surface sheet and one sheet of 10mm Laserlite Makrolon Multiwall form the bottom layers. Offering increased thermal and acoustical properties these systems are utilised in conjunction with insulated panel products.

Key Benefits

- Manufactured from an acrylic modified resin system reinforced with high quality glass rovings, with the incorporation of a reinforced woven roving matrix and Laserlite Makrolon Multiwall.
- Increased thermal resistance and increased acoustical properties.
- Eliminates condensation in most applications.
- Manufactured and supplied to match insulated panel systems.

Applications

Compliments commercial buildings that require insulated roofing panel construction, and provides natural lighting with the added benefit of offering good thermal resistance.

Surface Coatings

Topglass® GC is the preferred choice for Triple-Skin Systems for the external weather surface. Alsynite One 130 micron* EXO-SET 206 Gelcoat weather surface offers very good protection from solar deterioration. Triple-Skin Systems can be supplied in most weights g/m² but Topglass® GC Ultra-Safe is recommended for this system.

Colours and Tints

Triple-Skin Systems can be supplied in a variety of tints but generally is supplied as translucent clear.

Operating Temperature

Triple-Skin Systems operating temperature is -30°c to + 70°c

Safety

Topglass® Triple-Skin Systems supplied as Topglass® GC Ultra-Safe is classified as heavy duty , meets the impact test of AS 4040, satisfying the requirements of AS 4256.3 and can support foot traffic, long term degradation and or post roof installation impact damage can seriously affect the performance of the sheeting.

In order to comply with the requirements of AS 1562.3 2006 part 3 plastic, protect the weather surface coating and provide continual structural strength, all GRP products should be protected from foot traffic, therefore a suitable proprietary aluminium walkway is always recommended.

Consult Alsynite One NZ Ltd for recommended systems.

Specification

The translucent sheeting shall be Topglass® GC Ultra-Safe, Triple-Skin System 3660 g/m² (unless specified otherwise) manufactured to comply with AS 4256.3 JAZ-ANZ certification licence no. 2349.

The sheeting shall conform with the nominated roofing and cladding profile and be installed in accordance with the requirements of the Alsynite One Topglass® Ultra-Safe proprietary safety fixing system. Refer Page 12 - Key Benefits (Topglass® GC Ultra-Safe).

WARRANTY

Topglass® GC Ultra-Safe, Triple-Skin Systems are supported with a 25 year weather surface warranty and a 20 year structured loss of light transmission warranty. Full warranty conditions and written project warranties are available from Alsynite One NZ.

** Nominal Thickness 130 Micron.*