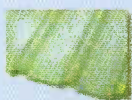


# ALSYNITE EVERLITE R74

## TRANSLUCENT SHEETING



**ALSYNITE EVERLITE R74 is a high quality GENERAL PURPOSE SHEETING that has been the cornerstone of Alsynite's Glass Reinforced Polyester translucent sheeting business for many years.**



Both the exposed and the underside surfaces of **ALSYNITE Everlite R74** are protected by a surface coating system known **R74 Films**. This proven system is backed by a **10 year** performance warranty. Available in a wide range of profiles, **EVERLITE R74** is the sensible choice for cost effective skylight and siding applications.

### KEY FEATURES

- 10 Year Warranty - conditions apply
- Non Delaminating Surface Technology
- Resistant To Commonplace Chemicals
- Good Long Term Clarity Properties

### TYPICAL APPLICATIONS

- Industrial And Commercial Skylights
- Building Skylight Sidings
- Nursery And Retail Areas
- Carport And Pergola Covers

### DEMAND THE BEST - DEMAND R74 FILM

Alsynite selects only R74 protective films and coatings in the manufacture of it's range of superior quality roofing products.

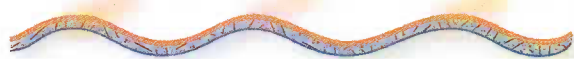
There is no substitute for quality. Please compare apples with apples when selecting roofing products.

R74 films are the leading innovators in protective film technology and Alsynite would use no other.

Please demand Alsynite products with their superior R74 films from your local roofing supplier.

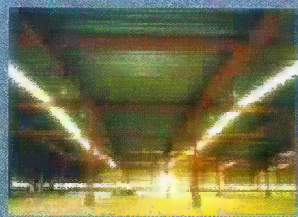
### ALSYNITE EVERLITE R74 PRODUCT SPECIFICATION

<b>Description:</b>	The product shall be ALSYNITE EVERLITE R74 Glass Reinforced Polyester Sheeting
<b>Surface Coating:</b>	TOP: R74 Film UNDER: R74 Film
<b>Resin System:</b>	The Resin System shall be.....[GP, 50FR, 25HTH or other]
<b>Product Certificat'n:</b>	To AS/NZS 4256.3 : 1994
<b>Production Manufacturing Standard:</b>	To ISO 9001 : 2000
<b>Profile:</b>	The Profile shall be.....
<b>Weight:</b>	The Weight shall be.....[1800, 2400 3050, 3660, 4880 or other g/m <sup>2</sup> ]
<b>Colour:</b>	The Colour shall be.....[CLEAR, OPAL or other]
<b>Installation:</b>	To be carried out in accordance with the Australian/New Zealand Design and Installation of sheet roof and wall cladding products AS/NZS 1562.3 : 1996 and Alsynite Roofing Products Pty Ltd Installation and Maintenance procedures



- R74 Film Technology
- High Performance Resin System
- R74 Film Technology





## ALSYNITE EVERLITE R74

### PHYSICAL PROPERTIES

PROPERTIES	VALUE	TEST METHOD
Specific Gravity(gm/cc)	1.41	ASTM-D792-86A
Thermal Expansion $10^{-5}$ cm/cm/°C	2.2	ASTM-D696-81
Water Absorption (%)	0.4335	ASTM-D570-98
Thermal Conductivity (W/m <sup>2</sup> K)	0.158	ASTM-C177-81
Heat Distortion Temperature (°C)	0.4146	ASTM-D570-98
Operating Temperatures (°C)	-20 to + 95	-

### MECHANICAL PROPERTIES

PROPERTIES	VALUE	TEST METHOD
Barcol Hardness	> 50	AS/NZS 4256.3
Glass Content (%)	26.3	AS/NZS 4256.3
Tensile Strength (MPa)	69.36	ASTM-D638-03
Flexural Strength (MPa)	177	ASTM D790-86
Flexural Modules (GPa)	6.7	ASTM-D790-86
Mean Impact Strength (J)	8.9	AS/NZS 4256.3
Compressive Strength (MPa)	135	ASTM 695-82
Shear Strength (MPa)	90	ASTM 732-82
Impact Resistance	Pass	AS/NZS 4256.3

### SOLAR OPTICAL PROPERTIES

PROPERTIES	CLEAR	OPAL
Solar Transmittance	0.68	0.58
Luminous Transmittance	0.67	0.53
Diffused Light Transmission	74	58
Shading Co-efficient	0.82	0.71
U-Value (W/m <sup>2</sup> K)	5.7	5.7
Solar Heat Gain (W/m <sup>2</sup> )	560	486
Solar Heat Gain Co-efficient	0.72	0.62
Transmittance 380-320nm (UV-A)	0.04	-
Transmittance 320-280nm (UV-B)	0.006	-

NOTE: Results of tests are based on a 2400g/m<sup>2</sup> sheet.

### GENERAL INFORMATION: ALSYNITE EVERLITE R74

- COLOURS:** EVERLITE R74 is available in standard colours of Clear and Opal. Customised colours are available, subject to minimum order quantities and pigment availability.
- PROFILES:** Due to ALSYNITE'S global presence, we have an extensive range of profiles within our portfolio.
- NOMINAL WEIGHTS:** The standard series weight is 2400g/m<sup>2</sup>. However, other weights are available to special order. Typical series weights are: 1800, 3050, 3660 and 4880g/m<sup>2</sup>.
- SHEET LENGTHS:** Upon consultation, sheeting can be manufactured up to 23.5m in length.
- RESIN SYSTEM:** The resin system is a general purpose grade orthophthalic polyester. Fire retardant resin systems 50FR and 25HTH are available.
- LIGHT TRANSMISSION:** Diffused light transmission: Clear 74% and Opal 58%.
- HEAT TRANSMISSION:** Solar Heat Gain: Clear 560w/m<sup>2</sup> and Opal 486w/m<sup>2</sup>.