



Quality System  
Quality Endorsed Company  
AS/NZS ISO 9002  
Lic. QEC 4787



# SR76 SMOKE REDUCED FIRE RETARDANT

GRP Translucent Sheeting to meet Australian Building Code specification C1.10 for Class 2 to 9 Buildings.

'SR76' smoke reduced fire retardant sheeting meets the requirements of \*AS1530.3, 1989 as shown in the reprinted report of tests conducted by AWTA Textile Testing. Manufactured in Corrugated and 5-Rib profiles to comply with AS/NZS 4256, parts 1 & 3, type SC, in Ice Clear and Opal. Most other profiles can be supplied in viable quantities. Additionally, 'SR76' can be made to incorporate all the benefits of premium grade 'Wonderglas GC' gel coated sheeting and 'Cool-lite GC' heat reduction sheeting. The fire retardant resin and colouring agents used by Ampelite are the best available and result in a very durable product. 'SR76' retains its light transmitting ability longer than normal fibreglass sheeting.

\*AS1530.3, 1989. Method for fire tests on building materials, components and structures. Part3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release.

## AWTA TEXTILE TESTING

### TEST REPORT\*

CLIENT : AMPELITE FIBREGLASS PTY LTD  
PO BOX 1294  
DANDENONG VIC 3175

TEST NUMBER : 7-448602-CV  
DATE : 16.12.93

SAMPLE DESCRIPTION CLIENTS REF: AMPELITE SR 76 TRIMDEX  
TRANSLUCENT REINFORCED FIBREGLASS  
COLOUR: TRANSLUCENT CLEAR

THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION  
WITH THE COMMENTS AT END OF REPORT

MATERIAL SPECIFICATION PROVIDED BY CLIENT:  
NOMINAL COMPOSITION: REDUCED SMOKE GLASS REINFORCED POLYESTER  
NOMINAL MASS: 2400g/ m<sup>2</sup>  
NOMINAL THICKNESS: 1.4mm

AS 1530.3 1989  
AMOT NO 1 APR 92  
RESULTS:

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE.			STANDARD ERROR
	MEAN	min	
IGNITION TIME	4.23	s	0.12
FLAME PROPAGATION TIME	13.1	s	1.4
HEAT RELEASE INTEGRAL	406.4	kJ/m <sup>2</sup>	2.0
SMOKE RELEASE, LOG D	-0.1931		0.0091
OPTICAL DENSITY, D	0.6417	/m	

NUMBER OF SPECIMENS IGNITED: 6  
NUMBER OF SPECIMENS TESTED: 6

REGULATORY INDICES:

IGNITABILITY INDEX	16	RANGE 0-20
SPREAD OF FLAME INDEX	9	RANGE 0-10
HEAT EVOLVED INDEX	10	RANGE 0-10
SMOKE DEVELOPED INDEX	7	RANGE 0-10

COMMENTS:  
THE RESULTS OF THIS FIRE TEST MAY BE USED TO DIRECTLY ASSESS FIRE HAZARD, BUT IT SHOULD BE RECOGNIZED THAT A SINGLE TEST METHOD WILL NOT PROVIDE A FULL ASSESSMENT OF FIRE HAZARD UNDER ALL FIRE CONDITIONS.  
EACH TEST SPECIMEN WAS CLAMPED IN FOUR PLACES.

54872

This Laboratory is registered by the National Association of Testing Authorities, Australia, for:  
Registration No. 983  
Chemical Testing of Textiles & Related Products Registration No. 985  
Registration No. 1356  
Mechanical Testing of Textiles & Related Products Registration No. 1356  
Heat & Temperature Measurement

\* The above tests have been performed in accordance with NATA's terms of registration. Samples and their identifying descriptions are normally submitted by the client unless otherwise stated. AWTA Textile Testing makes no warranty, implied or otherwise, as to the source of the tested sample. The above tests relate only to the sample tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document may not be used in any form of advertising without the prior written consent of the Managing Director of AWTA Ltd.

Lena Heller  
AUTHORISED SIGNATORY

D.J. WARD B.Sc. (M.A.I.S.)  
MANAGING DIRECTOR

### Weights

Series	Kg/m <sup>2</sup>
2400	2.4
3050	3.05
3660	3.66

### Colours, Light & Heat Transmission

Colour (Series 2400)	Light	Heat
Ice Clear	66%	64%
Opal (white)	64%	60%
'Cool-lite GC' Opal	38%	31%

### 'SR76' Specification example

"The translucent sheeting shall be Ampelite 'SR76' Smoke Reduced Fire Retardant fibreglass reinforced polyester sheeting type \*SC sheeting as manufactured by Ampelite Fibreglass Pty Ltd to comply with AS/NZS 4256 parts 1 & 3:1994, Licence 986. The weight of the sheet shall be \*\* 2400g/m<sup>2</sup> and be manufactured to conform with the nominated profile and colour."  
\* For Gel Coated surface, replace with the words 'premium grade gel coated'. \*\* Insert actual sheet weight required.

AS/NZS 4256  
Parts 1 and 3  
Licence 986



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