



# AWTA TEXTILE TESTING

AWTA is a Division of Australian Wool Testing Authority Ltd. — Incorporated in Victoria

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5th December, 1986

Dear Sir,

Re: AWTA Textile Testing Report No. 7-413872-FV

You have requested an interpretation and comment on the results documented on the above Test Report.

For an explanation of the test I refer you to the enclosed copy of part of a report of the developers of the test, the U.S. National Bureau of Standards. As far as I am aware the recommended criteria on page 11 are law in the USA. However, no legislation which calls up this test method exists yet in Australia.

Presumably, any floorcovering product which does not fall into one or other of the application mentioned can be used for other applications. The critical radiant flux obtained for your product was  $0.14 \text{ W/cm}^2$  so if it was a floorcovering, it could not be used in either of the sensitive applications mentioned in the enclosed report.

The American Society for Testing and Materials (ASTM) has published a standard for cellulosic loose fill insulation material in which the critical radiant flux must be greater than or equal to  $0.12 \text{ W/cm}^2$ . The specification is ASTM C-739, 1984. Your product would comply with that requirement.

Any material which has zero critical radiant flux would burn without the application of any external radiation and would therefore be quite hazardous. Your product would require considerable external radiation to sustain burning.

I hope this information is of help to you.

Yours faithfully,

Noel L. Emselle  
Division Manager

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## TEST REPORT\*

TEST NUMBER : 7-413873-PV  
DATE : 20-11-1986  
ORDER NUMBER : 86/1001

SAMPLE DESCRIPTION : MILLED WOOD FIBRE  
REFERENCE: 'SOKEROL' OIL ABSORBENT  
NOMINAL COMPOSITION: DETAILS GIVEN TO AWTA  
IN CONFIDENCE  
APPROXIMATE THICKNESS OF SAMPLES TESTED  
WAS 13mm

AST 1970 - 1983

CRITICAL RADIANT FLUX OF EXPOSED ATTIC  
FLOOR INSULATION USING A RADIANT HEAT ENERGY  
SOURCE

AVERAGE CRITICAL RADIANT FLUX	0.140	w/cm <sup>2</sup>
STANDARD DEVIATION	0.039	w/cm <sup>2</sup>
COEFFICIENT OF VARIATION	28.021	%
NUMBER OF TEST SPECIMENS	3	

OBSERVATIONS: CONSIDERABLE SMOKE WAS EVOLVED