

# Certificate of Test

NKCE NE2091

REPORT NO. FNE6827

## SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

**TRADE NAME:** ULTIMA

**SPONSOR:** Armstrong World Industries, Inc.  
2500 Columbia Avenue  
LANCASTER P.A.  
USA

**DESCRIPTION OF TEST SPECIMEN:**

The sponsor described the specimen as a wet felted ceiling panel comprising mineral wool, paper, perlite, clay, and starch. The composite was laminated to a glass-fibre scrim and a paint coat was applied to the exposed face. The samples contained adhesives.  
Nominal thickness of wet felted composite: 19 mm  
Nominal thickness of glass-fibre scrim: 1 mm  
Nominal total density: 250 kg/m<sup>3</sup>  
Colour: white face

**TEST PROCEDURE:**

Six samples were tested in accordance with Australian Standard 1530.3-1989. Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release. For the test each sample was clamped to the specimen holder in four places.

**RESULTS:**

The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	N/A	N/A
Flame Spread Time (s)	N/A	N/A
Heat Release Integral (kJ/m <sup>2</sup> )	N/A	N/A
Smoke Release (log <sub>10</sub> D)	-1.509	0.047

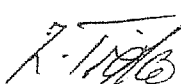
For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
0	0	0	2

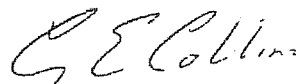
The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

**DATE OF TEST:** 26 February 1997

Issued on the 24<sup>th</sup> day of March 1997 without alterations or additions.



Z Trojko  
Project Officer



G E Collins  
Manager Fire Testing/Assessment



This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of accreditation.



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