

Certificate of Test

N92/0022:NFBNE1294

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE: REPORT NO. FNE6050

TRADE NAME Stormseal

SPONSOR Storm & Security Roof Tile Fixing Pty Ltd
2/5 Bungaleen Court
DANDENONG VIC

DESCRIPTION OF TEST SPECIMEN A description of the test samples has been provided by the sponsor with his Sponsored Investigation Agreement of 14 April 1992.

Polyurethane foam is impregnated with water-based bitumen emulsion and self-adhered to a 4.5mm thick fibre-reinforced cement board.
Nominal thickness of foam tested: 30mm
The density of impregnated foam: 28 – 30kg/cubic
Colour: Black

TEST PROCEDURE The 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 retained by one layer of square mesh having 0.8 mm dia. Wires at approximately 13 mm centres over the exposed face and clamped to the specimen holder in four places.

OBSERVATIONS Samples began to melt after approximately 3 minutes of exposure to the test. Some flashing occurred on the samples prior to ignition. Flaming droplets were observed following the ignition of the specimen.

RESULTS The following means and standard errors were obtained:

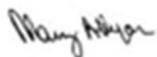
Parameter	Mean	Standard Error
Ignition Time (Min)	7.0	0.5
Flame Spread Time (Sec)	20.3	1.5
Heat Evolved Integral (kJ/m ²)	113.4	11.9
Log Optical Density	-0.668	0.028

For regulatory purposes, these figures correspond to the following indices:

Ignitability	Spread of Flame	Heat Evolved	Smoke Developed
Index	Index	Index	Index
(0 – 20)	(0 – 10)	(0 – 10)	(0 – 10)
13	9	4	5

Testing Officer: Z Trojko
Issued on the 13th day of May 1992
without alterations or additions.

DATE OF TEST: 27 April 1992



M A Ryan
for Manager, Fire Technology

Division of Building Construction and Engineering

