

Certificate of Test

LP46AND5619

REPORT NO.: FND 9030

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FIRE TEST ON AN AIR CONDITIONING DUCT IN ACCORDANCE WITH
UL181 PART 9 AS REQUIRED BY CLAUSE 2.7.2 (c) OF AS 4254-2002

TRADE NAME: Paltech Corporation

SPONSOR: Paltech Corporation Pty. Ltd.
8 Kingston Park Court
Knoxfield VIC
AUSTRALIA

DESCRIPTION OF
TEST SPECIMEN:

The sponsor described the specimen as flexible ducting comprising three layers:
Jacket: single layer of 12- μ m thick aluminised PET film.
Insulation: 50-mm thick polyester insulation
Core: two layer of 12- μ m thick aluminium coated PET film bonded using adhesive
containing flame retardant additives encapsulating steel wire helix.
Nominal total thickness: 50 mm
Colours: silver film; white insulation

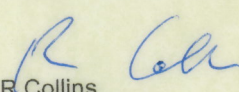
TEST PROCEDURE: The samples were tested in accordance with UL181 Standard For Safety: Factory-Made
Air Ducts and Air Connectors; Part 9 - Burning Test; April 1996, as required by Clause
2.7.2 (c) of Australian Standard 4254, Ductwork for air-handling systems in buildings,
2002. For the test, the inside and the outside faces of specimens were exposed to a
pilot flame. This was done in three different orientations (Vertical, 45° and Horizontal).

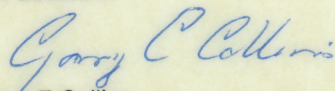
RESULTS: The following results were obtained:

OBSERVATIONS	Horizontal Orientation Outside Face	Horizontal Orientation Inside Face	45° Orientation Outside Face	45° Orientation Inside Face	Vertical Orientation Outside Face	Vertical Orientation Inside Face
Flame or glowing combustion duration after bunsen extinguished (min:sec)	0:02	0:02	0:05	0:05	0:07	0:10
Tip of flame reached other end (YES/NO)	NO	NO	NO	NO	NO	NO
Cotton ignites (YES/NO)	NO	N/A	NO	N/A	N/A	N/A
Criteria Satisfied (YES/NO)	YES	YES	YES	YES	YES	YES

CONCLUSION: The ducting satisfied the performance criteria as specified by UL 181 part 9.

DATE OF TEST: 14 November 2007
Issued on the 18th day of January 2008 without alterations or additions.


R Collins
Testing Officer


Garry E Collins
Manager Fire Testing and Assessments



This laboratory is accredited (Accreditation No. 165 corporate Site
No.3625) 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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