

TESTING TO AS 4254.1-2012
DUCTWORK FOR AIR HANDLING SYSTEMS IN BUILDINGS

The cost of each of the individual tests as outlined in Section 2.4.2 is as follows:

AWTA Code	Test	Base Fee (\$ Per Test	GST @ 10% (\$)	Total Fee (\$)
T18D	Burning	458	45.80	503.80
T18E	Mould growth & humidity	328	32.80	360.80
T18F	Temperature	346	34.60	380.60
T18G	Puncture	63	6.30	69.30
T18H	Static Load	120	12.00	132.00
T18I	Impact	120	12.00	132.00
T18J	Pressure	324	32.40	356.40
T18K	Collapse	324	32.40	356.40
T18L	Tension	120	12.00	132.00
T18B	AS/NZS 1530.3	799	79.90	878.90

Notes:

1. The standard requires that all testing be conducted on 300mm diameter ducting as an assembly.
2. If a core material is tested and passes the pressure, collapse, impact and tension tests, then it does not need to be re-tested for those tests as an insulated duct providing an identical core construction is used.

The prices given above are valid until 30 June 2014.

SAMPLE REQUIREMENTS FOR AS4254.1-2013 DUCTWORK FOR AIR-HANDLING SYSTEMS IN BUILDINGS

SAMPLE REQUIREMENTS FOR ALL TESTS

10 x 6m lengths of core plus 3 x 6m lengths of assembled duct

Alternatively:

SAMPLE REQUIREMENTS FOR AS/NZS 1530.3-1999

Sufficient completed duct material to allow 10 samples each 600mm x 450mm to be formed by flattening of the duct plus sufficient bulk insulation to allow 10 samples each 600mm x 450mm.

SAMPLE REQUIREMENTS FOR UL 181-1994

SECTION 9 - BURNING TEST

6 lengths by 914mm by 300mm diameter of assembled duct plus;

SECTION 11 - MOULD GROWTH AND HUMIDITY TEST

3 pieces 102mm x 102mm of assembled duct.

SECTION 12 - TEMPERATURE TEST

Low Temperature - 203 x 203mm 3 pieces of assembled duct.

High Temperature - 2 pieces - 914mm long x 300mm diameter of assembled duct.

SECTION 13 - PUNCTURE TEST

2 pieces 600mm long by 300mm diameter of assembled duct.

One of these pieces is used from the high temperature test of assembled duct.

SECTION 14 - STATIC LOAD TEST

1 piece 2.43m long by 300mm diameter of assembled duct.

SECTION 15 - IMPACT TEST

3 pieces 2.43m long by 300mm diameter.

SECTION 17 - PRESSURE TEST

3 pieces 2.43m long by 300mm diameter.

SECTION 18 - COLLAPSE TEST

3 pieces 2.43m long by 300mm diameter.

SECTION 19 - TENSION TEST

3 pieces 2.43m long by 300mm diameter.

See Note 2
on opposite page

ALSO REQUIRED:

- * Straps/supports used to hold duct (Static load test).
- * Materials used to join pieces e.g. Tape, adhesives.
- * Instruction of use of joining materials.
- * Instructions and spacing of supports for static load test Section 14.