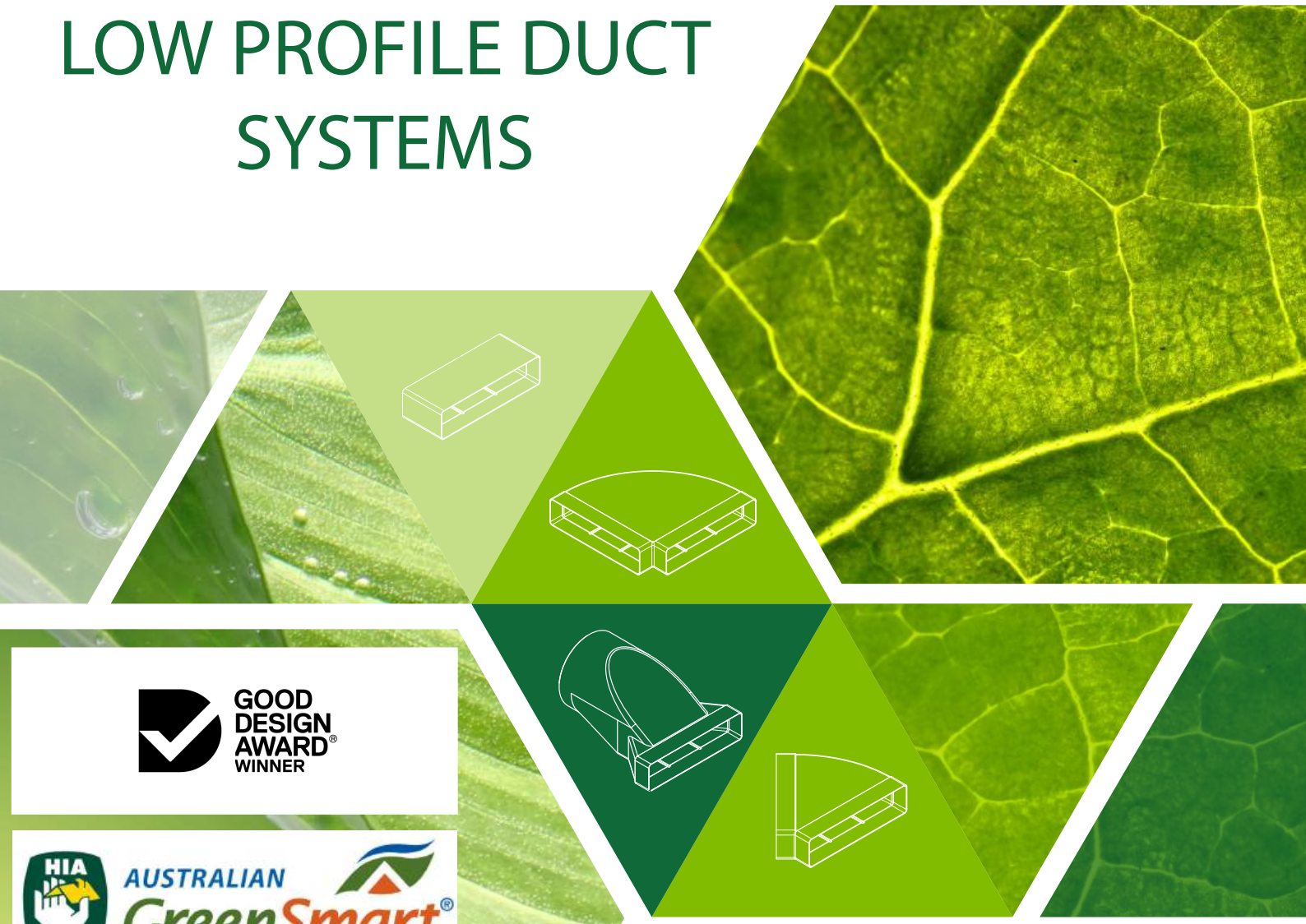




Green and Guaranteed

LOW PROFILE DUCT SYSTEMS



GOOD DESIGN AWARD® WINNER



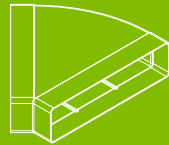
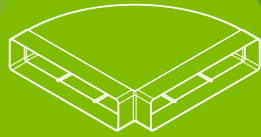
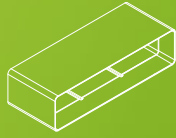
PRODUCT CATALOGUE

0412 869 121

03 5278 5573

info@ecoduct.com.au

www.ecoduct.com.au



DESIGNED FOR LIVING LIFE

Here at ECODUCT™ we believe the best products are the ones we set and forget. These are products which do their job day in and day out without requiring ongoing attention. Our low profile duct has been designed and made with materials which not only set the industry standard but surpass it.



LOW PROFILE PVC DUCTWORK

ECODUCT™ is an environmentally friendly low profile duct system that is specifically designed for high-rise apartment applications where limited ceiling spaces are common.

Designed, sourced and made in Australia, ECODUCT is the premium environmentally friendly and Best Practice PVC product on the market. With these credentials and up to 50% recycled PVC incorporated you can rest assured you are using the best product in the ever-growing green star building industry.

ECODUCT together with its vast range of fittings is perfectly suited for bathroom, laundry and range-hood ventilation systems where it will efficiently exhaust airflow rates up to 175l/s. With most bathrooms requiring exhaust rates of 50l/s, ECODUCT enables you to combine systems (such as bathrooms, ensuites and laundries) that can run off one inline fan and an integrated lighting circuit. This saves the client money at the same time as increasing installer efficiency. (See example page on 9)

ECODUCT has been designed, developed and made in Australia. Our manufacturing facility is one of the first in Australia to incorporate technology whereby we can utilise up to 50% recycled PVC specifically formulated to exceed industry standards. The end product is 100% recyclable.

ECODUCT is the lightweight alternative to sheetmetal ductwork and with no risk of corrosion, it has a longer lifespan which ensures there is no need to ever have the ductwork replaced. ECODUCT Ventilation systems can be fully sealed using a fire seal mastic duct sealant. This is our recommended method of sealing.

The use of ECODUCT's own duct clip for installation is recommended practice. The clip is made to fit around the flat duct and attached to the ceiling via screwing into timber/trusses or by shooting up of nails into concrete soffit.

By using ECODUCT you will eliminate the need for forecasting quantities, early ordering and storage costs associated with purchasing imported products. The duct is available Australia wide by contacting ECODUCT Pty Ltd and your order can be delivered anywhere in Australia within a week.



ECODUCT™

BENEFITS



There are many benefits to be gained by using ECODUCT™ both to the client and the environment.

GREEN CREDENTIALS

ECODUCTS' PVC formulation has a lower carbon footprint than many other polymers such as Polyethylene and Polypropylene. Derived from 57% Natural sea salt our PVC is not only strong and long lasting, it does not leach any toxic chemicals that bi-accumulate in the human body or earth. Its self-extinguishing properties have virtually no flame spread and will not sustain combustion. Up to 50% recycled and 100% Recyclable ECODUCT has been designed for our environment's future. At the end of its life no part of ECODUCT should reach landfill.

BEST PRACTICE PVC

With green star in the built environment an ever-growing and evolving document to further lessen the impact on the environment, the Green Building Council together with the Australian Vinyl council are vying for all common use PVC products in the building industry to be made using best environmental practices. Australian PVC products and manufacturers are envied by others around the world who are also trying to reduce this impact. In the current Green Building Council document, Ductwork/Profiles are not included as common uses of PVC, however when the document does incorporate profiles, ECODUCT will be the only duct on the market with the Best Practice PVC tick of approval.

AUSTRALIAN MADE

ECODUCT is 100% designed, owned and made in Australia so you can be assured all profits stay in Australia and support Australian businesses.

From the raw product, the design team, the manufacturing facility and through to the transport companies we believe numerous positions will be created for Australian workers.

ECODUCT guarantee all our products will continue to have our material sourced and our final product manufactured in Australia.

COST EFFECTIVE

ECODUCT is made locally and with up to 50% recycled PVC, resulting in price competitiveness with imported products on the current market. ECODUCT and its components are easily installed and will cut the installers costs due to its lightweight and the ability to order longer duct lengths. This results in less cutting and joining on site. The duct can be made in any length the client requires ranging between 300mm to 6m.

AUSTRALIAN STANDARDS

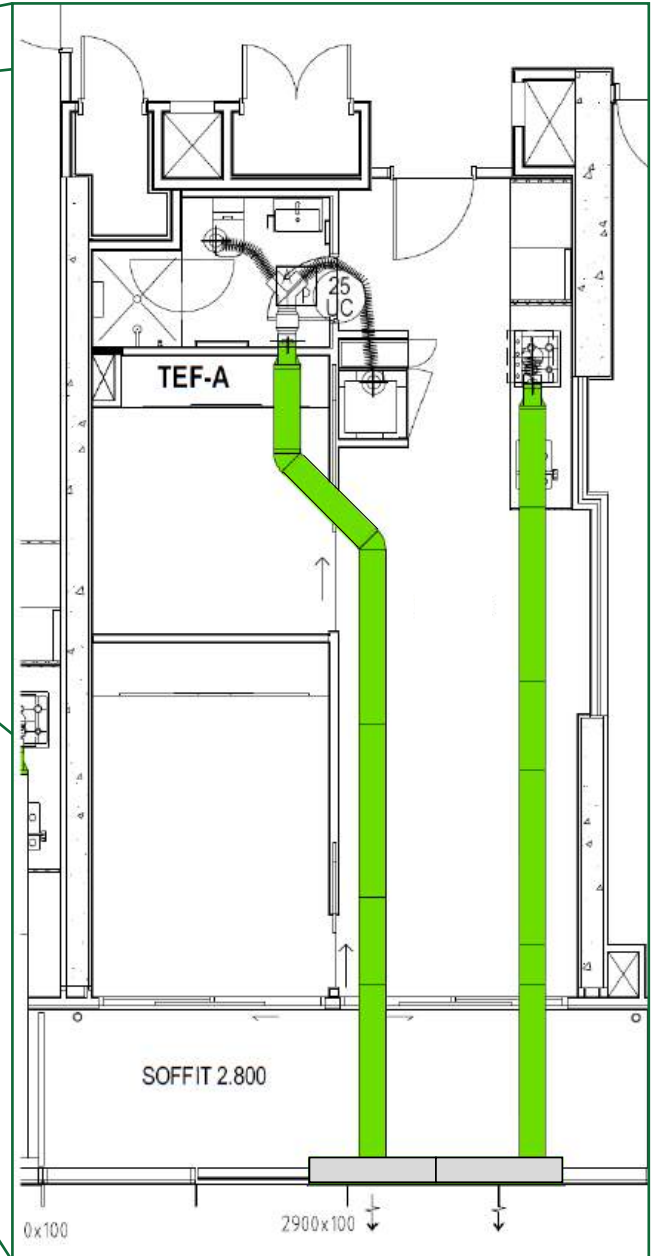
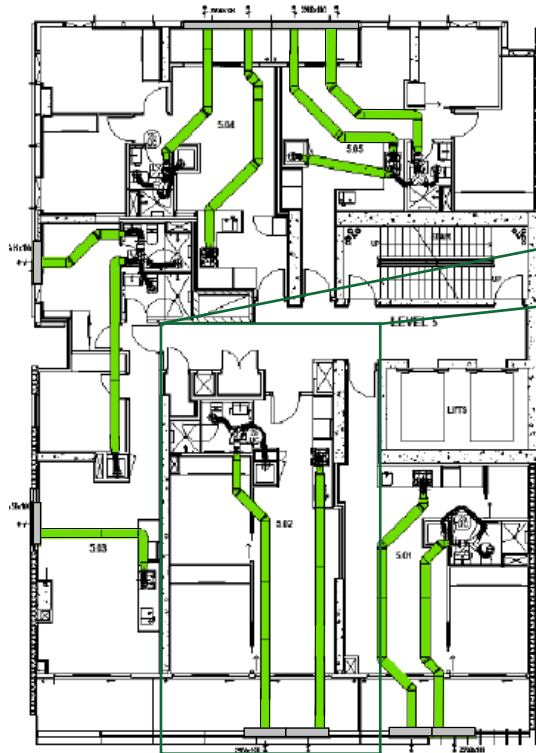
ECODUCT is manufactured to comply with Australian Standard 4254.2-2012: Ductwork for air-handling systems in buildings. 2.1.2 Rigid ductwork

(a) The assembled duct system shall have a smoke development index not greater than '3' and spread of flame index not greater than '0' when separately tested in accordance with AS/NZS 1530.3

(b) The assembled duct system shall pass the UL 181 burning test.



DUCTWORK APPLICATION



 **eco
DUCT**TM
Green and Guaranteed



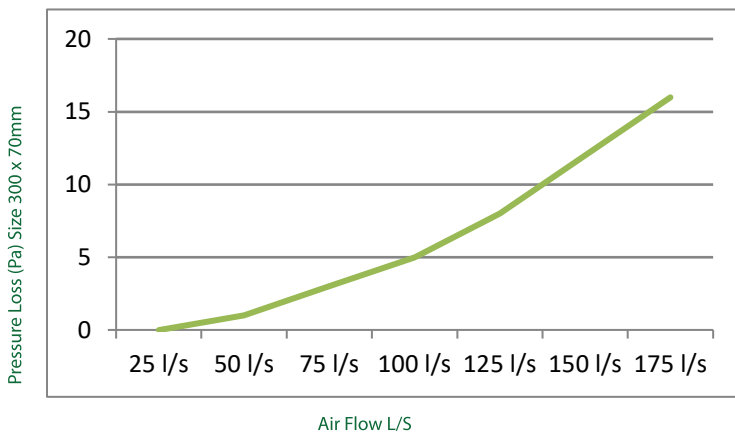
ECODUCT™

PERFORMANCE DATA

PRODUCT	AIRFLOW L/S						
	25	50	75	100	125	150	175
Pressure Loss (pa) for size 300 x 70mm							
Flat Duct 2m Length	0	1	3	5	8	12	16
Rangehood Adaptor	1	3	8	17	28	48	79
Horizontal 45° Bend	0	1	2	3	5	7	10
Horizontal 90° Bend	1	3	6	13	20	29	39
Vertical 45° Bend	0	1	2	3	4	5	7
Square to Round 150°	1	4	8	13	19	30	47
Square to Round 200°	1	2	5	9	14	23	37
T-Piece	1	3	7	11	15	24	38

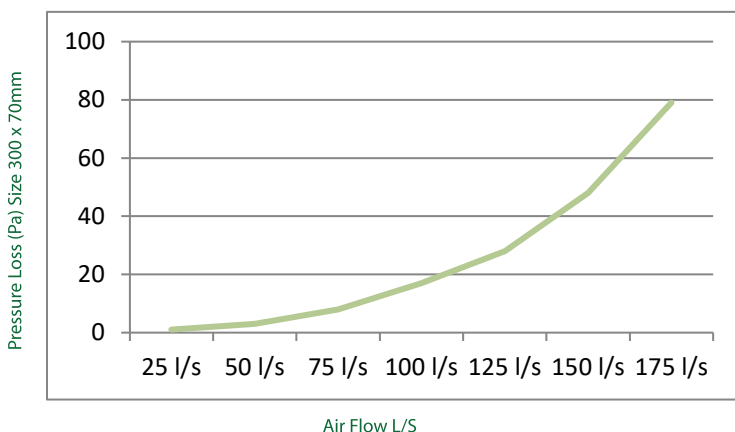
FLAT DUCT 2M LENGTH

ORDER CODE	SIZE
ECO300FLAT2	300X70



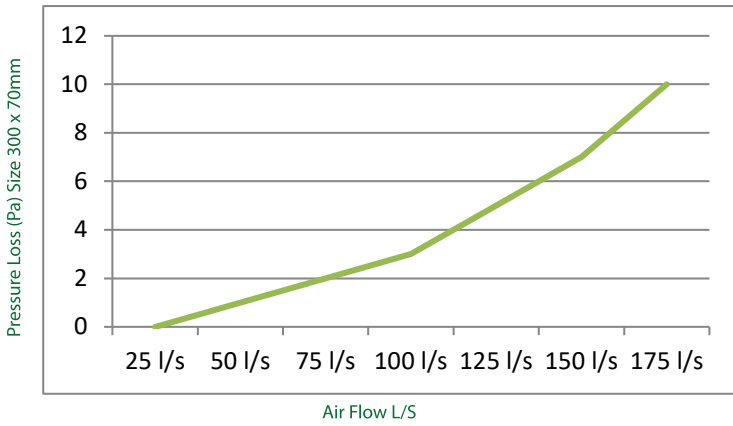
RANGEHOOD ADAPTOR

ORDER CODE	SIZE
ECO300RH	300X70



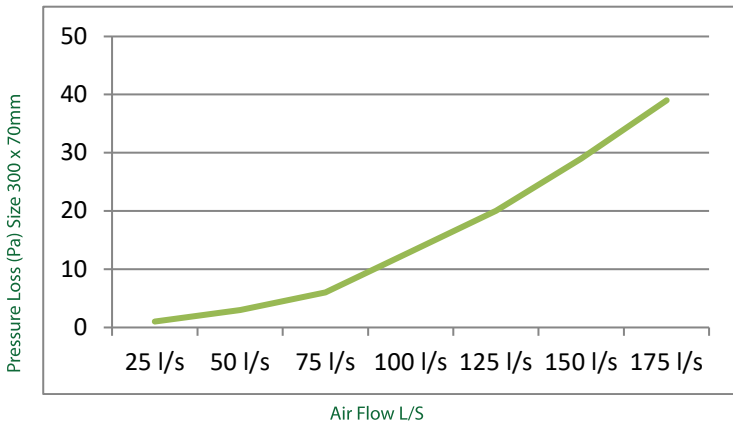
HORIZONTAL 45° BEND

ORDER CODE	SIZE
ECO300HOR45	300X70



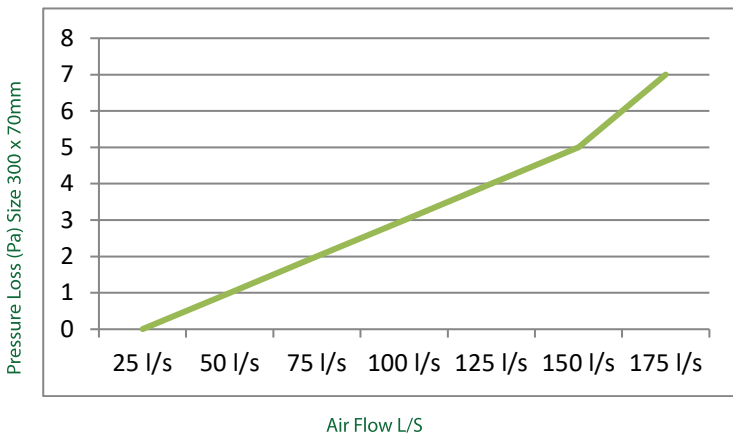
HORIZONTAL 90° BEND

ORDER CODE	SIZE
ECO300HOR90	300X70



VERTICAL 45° BEND

ORDER CODE	SIZE
ECO300VER45	300X70



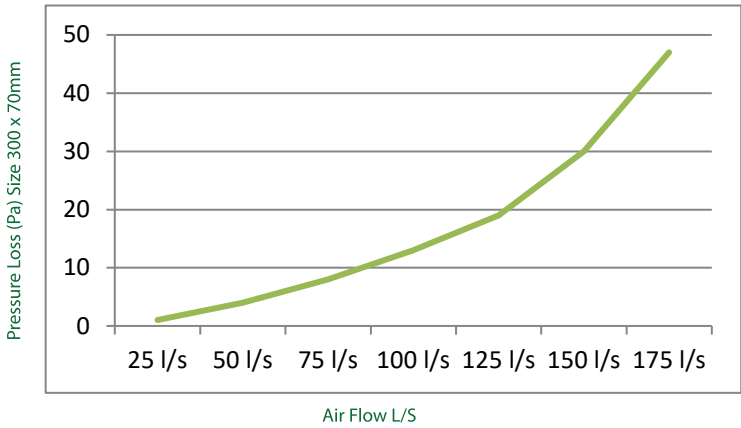
DUCT JOINER

ORDER CODE	SIZE
ECO300CONN	300X70



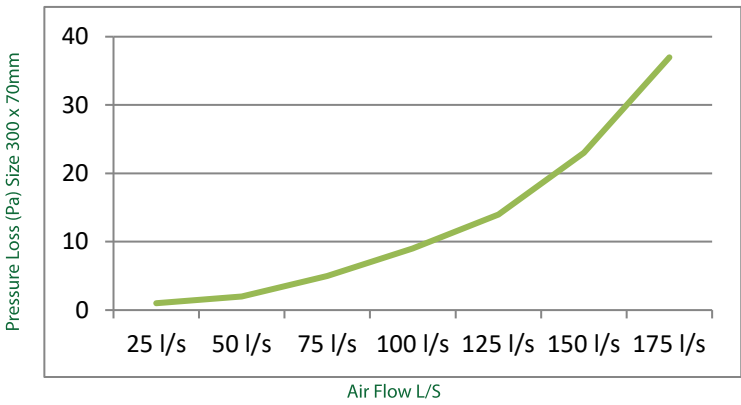
RECTANGLE TO ROUND 150 Ø

ORDER CODE	SIZE
ECO300TR150	300X70



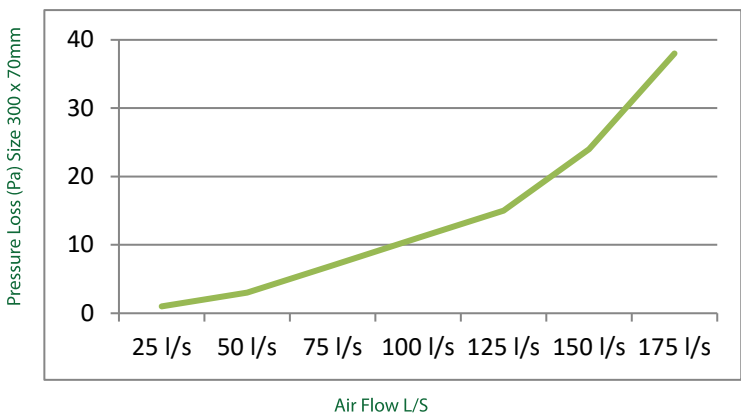
RECTANGLE TO ROUND 200 Ø

ORDER CODE	SIZE
ECO300TR200	300X70



T-PIECE

ORDER CODE	SIZE
ECO300TPiece	300X70



DUCT CLIP

ORDER CODE	SIZE
ECO300LIP	300X70



TUBISEAL FR SEALANT

ORDER CODE	SIZE
ECOFR1827	300gm



Ecoduct Installation Guide

- 1 Cut duct to length using a 4 inch grinder with a thin metal cutting disc.



- 2 Run a bead of fire rated acoustic sealant inside the fitting (see Diagram 1). Ensure the sealant covers the entire area of the duct connector before duct is fitted.



Diagram 1 – Acoustic sealant bead

- 3 Correct connection is made when your duct has been cut square and it slides under the support tabs to fit flush against the middle of the fitting (see Diagram 2.)

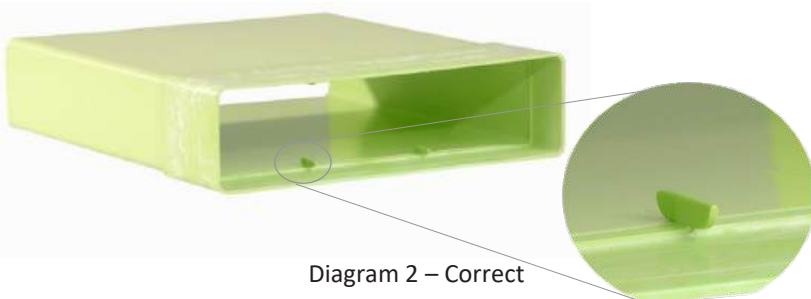


Diagram 2 – Correct connection

- 4 An incorrect fit will result when the duct has not been cut square or hasn't been pushed all the way in under the tabs (see Diagram 3).

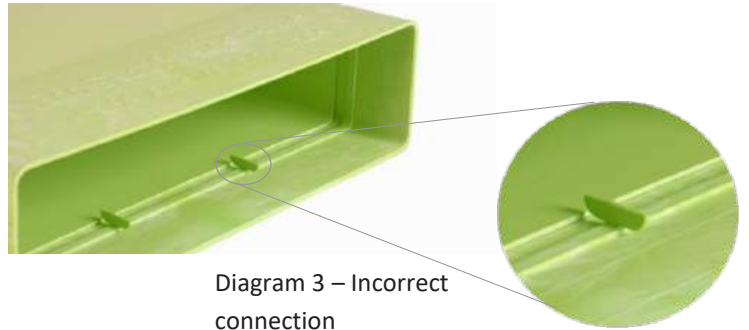


Diagram 3 – Incorrect connection

- 5 Secure the fitting to the duct with one self-tapping screw on each side and two on the bottom of the fitting through to the duct inside (see Diagram 4). Ensure there are no screws inserted at the top of the duct so that the duct can be pulled apart later if required.



Diagram 4 – Self-tapping screw placement

- 6 The ductwork is to be supported at a maximum 1500mm centres. The use of Ecoduct Duct Clip is recommended.



Diagram 5 – Duct clip support

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O Box 240, North Melbourne, Victoria 3051

Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : EcoDuct Pty Ltd
2/2-12 Morgan Street
Bell Park VIC 3215

Test Number : 18-001607
Issue Date : 11/04/2018
Print Date : 29/08/2018

Sample Description Clients Ref : "Ecoduct 300 Series"
Rigid Ducting
Colour : White/Green
End Use : Commercial/Domestic Ventilation
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : approx: 2.4kg/m²
Nominal Thickness : Approx: 2mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	10/04/2018		
	Standard Error		Mean
Ignition time	Nil		Nil min
Flame propagation time	Nil		Nil sec
Heat release integral	Nil		Nil kJ/m ²
Smoke release, log d	0.0348		-1.3160
Optical density, d			0.0491 / metre
Number of specimens ignited:			0
Number of specimens tested:			6
Regulatory Indices:			
Ignitability Index			0 Range 0-20
Spread of Flame Index			0 Range 0-10
Heat Evolved Index			0 Range 0-10
Smoke Developed Index			3 Range 0-10

140791

26608

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
 A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Slavonci Pty Ltd
 PO Box 5449
 North Geelong VIC 3215

Test Number : 17-001418
Issue Date : 10/04/2017
Print Date : 29/08/2018

Sample Description Clients Ref : "Ecoduct 300 Series"
 Rigid ducting
 Colour : White/Green
 End Use : Commercial & domestic Ventilation
 Nominal Composition : PVC
 Nominal Mass per Unit Area/Density : 2kg/m2
 Nominal Thickness : 1.6mm

UL 181.11-2013

Burning Test - Air Duct

Sample Tested	Assembly		
External	Vertical	45 deg	Horizontal
1st after flame time	0	0	0 sec
1st after glow time	0	0	0 sec
2nd after flame time	0	0	0 sec
2nd after glow time	0	0	0 sec
Did flaming or glowing travel full length of specimen ?	No	No	No sec
Did flaming droplets ignite cotton ?	N/A	No	No
Internal	Vertical	45 deg	Horizontal
1st after flame time	0	0	0 sec
1st after glow time	0	0	0 sec
2nd after flame time	0	0	0 sec
2nd after glow time	0	0	0 sec
Did flaming or glowing travel full length of specimen ?	No	No	No

140888

18385

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
 MANAGING DIRECTOR



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DESIGN
AWARD[®]
WINNER**



AUSTRALIAN



GreenSmart[®]

AWARDS WINNER 2019

Product



A
AIRAH AWARDS
2019

PRODUCT OF THE
YEAR NOMINEE

300 SERIES

EcoDuct



MADE USING
BEST ENVIRONMENTAL
PRACTICE

eco
DUCT[™]

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