





# FLEXIBLE DUCT

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## Duct Core



Polyaire Metallized Core fire rated flexible duct is manufactured from metallized Mylar and clear Mylar substrates, incorporating totally encapsulated helically wound spring wire. Bonded with a fire retardant and slip resistant dry deposit adhesive, this duct construction ensures a long life span in all ambient conditions.

Polyaire Metallized Core fire rated flexible duct is lightweight and easy to handle and will maintain its full diameter on bends. This duct is designed for domestic and commercial exhaust systems, ventilation systems and where heat gains or losses are not high, making it suitable for evaporative cooling systems.

### Features

- Metallized Outer Surface
- Fire Rated 4254
- Operating Temperature: -20°C to +80°C
- Operation Pressure: -190pa to +1200pa
- General Use: Exhaust and ventilation systems

### Duct Core

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
160074	Ø 100	Ø 4"	6
160075	Ø 150	Ø 6"	6
160076	Ø 200	Ø 8"	6
160077	Ø 250	Ø 10"	6
160078	Ø 300	Ø 12"	6
160079	Ø 350	Ø 14"	6
160080	Ø 400	Ø 16"	6
160081	Ø 450	Ø 18"	6
160082	Ø 500	Ø 20"	6

### Duct Core - 4 Zero

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
160401	Ø 100	Ø 4"	6
160402	Ø 150	Ø 6"	6
160403	Ø 200	Ø 8"	6
160404	Ø 250	Ø 10"	6
160405	Ø 300	Ø 12"	6
160406	Ø 350	Ø 14"	6

## Firebreak Duct R0.6



Polyaire Firebreak Flexible Duct is manufactured from metalized Mylar and clear Mylar substrates, incorporating totally enclosed helically wound galvanised high tensile steel wire. The layers are bonded with a fire retardant adhesive to ensure long life in all ambient conditions.

The insulation is a polyester thermal blanket manufactured to rigid standards.

### Features

- Metalized Inner Core
- Polyester Insulation
- Metalized Outer Fire Jacket
- Operating Temperature: -20°C to +80°C
- Operation Pressure: -190pa to +1200pa
- General Use: Heating and cooling
- Domestic and commercial systems
- Complies with AS 4254
- Test certificates available

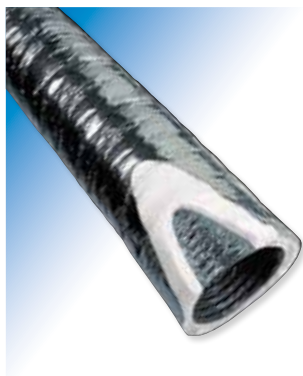
### Firebreak Duct R0.6 (Polyester Insulation) - 3 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110001	Ø 150	Ø 6"	3
110003	Ø 200	Ø 8"	3
110005	Ø 250	Ø 10"	3
110007	Ø 300	Ø 12"	3
110009	Ø 350	Ø 14"	3
110011	Ø 400	Ø 16"	3
110013	Ø 450	Ø 18"	3
110014	Ø 500	Ø 20"	3
110015	Ø 550	Ø 22"	3
110016	Ø 600	Ø 24"	3

### Firebreak Duct R0.6 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110002	Ø 150	Ø 6"	6
110004	Ø 200	Ø 8"	6
110006	Ø 250	Ø 10"	6
110008	Ø 300	Ø 12"	6
110010	Ø 350	Ø 14"	6
110012	Ø 400	Ø 16"	6
110126	Ø 450	Ø 18"	6
110123	Ø 500	Ø 20"	6

## Firebreak Duct R1.0



Polyaire Firebreak Flexible Duct is manufactured from metalized Mylar and clear Mylar substrates, incorporating totally enclosed helically wound galvanised high tensile steel wire. The layers are bonded with a fire retardant adhesive to ensure long life in all ambient conditions.

The insulation is a polyester thermal blanket manufactured to rigid standards.

### Features

- Metalized Inner Core
- Polyester Insulation
- Metalized Outer Fire Jacket
- Operating Temperature: -20°C to +80°C
- Operation Pressure: -190pa to +1200pa
- General Use: Heating and cooling
- Domestic and commercial systems
- Complies with AS 4254
- Test certificates available

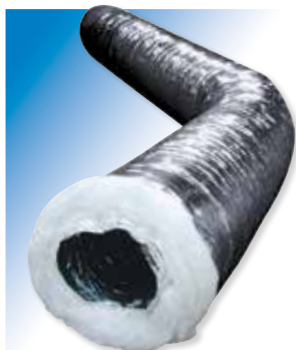
### Firebreak Duct R1.0 (Polyester Insulation) - 3 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110017	Ø 150	Ø 6"	3
110019	Ø 200	Ø 8"	3
110021	Ø 250	Ø 10"	3
110023	Ø 300	Ø 12"	3
110025	Ø 350	Ø 14"	3
110027	Ø 400	Ø 16"	3
110029	Ø 450	Ø 18"	3
110030	Ø 500	Ø 20"	3
110043	Ø 550	Ø 22"	3
110031	Ø 600	Ø 24"	3

### Firebreak Duct R1.0 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110018	Ø 150	Ø 6"	6
110020	Ø 200	Ø 8"	6
110022	Ø 250	Ø 10"	6
110024	Ø 300	Ø 12"	6
110026	Ø 350	Ø 14"	6
110028	Ø 400	Ø 16"	6
110127	Ø 450	Ø 18"	6
110213	Ø 500	Ø 20"	6

## Firebreak Duct R1.5



Polyaire's best selling Polyester Insulated Firebreak Duct is now rated to R1.5

### Features

- Better insulation
- Less temperature gain/loss in the roof
- Better temperature transference to rooms
- Reduced running costs
- Higher efficiency
- Meets or exceeds BCA for all Australian regions
- 10 year warranty

### Firebreak Duct R1.5 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110200	Ø 150	Ø 6"	6
110201	Ø 200	Ø 8"	6
110202	Ø 250	Ø 10"	6
110203	Ø 300	Ø 12"	6
110204	Ø 350	Ø 14"	6
110205	Ø 400	Ø 16"	6
110206	Ø 450	Ø 18"	6
110207	Ø 500	Ø 20"	6



Carrier



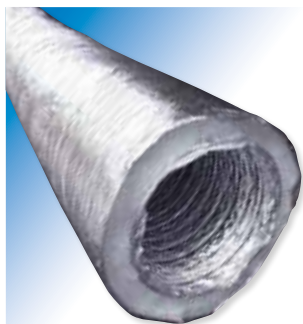
*Ducted  
Systems*

Polyaire supplies a complete range of Carrier products which are energy efficient with a powerful operation for rapid heating and cooling and precise temperature control.

Distributed by **polyaire**



## Firebreak Duct Plus 4 Zero



### Features

- Complies to Australian Standard AS 4254
- Test Certificate available
- Aluminium Inner Core
- Polyester Insulation
- Aluminium Outer Jacket

### Firebreak Duct Plus 4 Zero R1.0 (Polyester Insulation) - 6 Metre Lengths

Item #	Diameter		Length (m)
	mm	inch	
110414	Ø 150	Ø 6"	6
110415	Ø 200	Ø 8"	6
110416	Ø 250	Ø 10"	6
110417	Ø 300	Ø 12"	6
110418	Ø 350	Ø 14"	6
110419	Ø 400	Ø 16"	6
110420	Ø 450	Ø 18"	6
110421	Ø 500	Ø 20"	6

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AIRCONDITIONING PRODUCTS

***Your One Stop  
Air Conditioning Shop***



***Domestic***



***Commercial***



***Design***

***'We've got you covered'***

## Firebreak Duct Silent



Polyaire Silentflex fire rated flexible duct is manufactured from metallized Mylar and clear Mylar substrates, incorporating totally encapsulated helically wound spring wire. Bonded with a fire retardant and slip resistant dry deposit adhesive, this duct construction ensures a long life span in all ambient conditions.

This duct is designed for domestic and commercial ventilation and air conditioning systems and is suitable for low, medium and high pressure systems.

Highly recommended because of its low resistance, excellent acoustic properties and compliance with all current relevant standards.

### Firebreak Duct Silent R0.6 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110310	Ø 150	Ø 6"	6
110311	Ø 200	Ø 8"	6
110312	Ø 250	Ø 10"	6
110313	Ø 300	Ø 12"	6
110314	Ø 350	Ø 14"	6
110315	Ø 400	Ø 16"	6
110316	Ø 450	Ø 18"	6
110317	Ø 500	Ø 20"	6
110328	Ø 550	Ø 22"	6

### Firebreak Duct Silent R1.0 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110319	Ø 200	Ø 8"	6
110320	Ø 250	Ø 10"	6
110321	Ø 300	Ø 12"	6
110322	Ø 350	Ø 14"	6
110323	Ø 400	Ø 16"	6
110324	Ø 450	Ø 18"	6
110325	Ø 500	Ø 20"	6

### Firebreak Duct Silent R1.2 (Polyester Insulation) - 6 Metre Lengths

Sizes Available/Dimensions			
Item #	Diameter		Length (m)
	mm	inch	
110330	Ø 150	Ø 6"	6
110331	Ø 200	Ø 8"	6
110332	Ø 250	Ø 10"	6
110333	Ø 300	Ø 12"	6
110334	Ø 350	Ø 14"	6
110335	Ø 400	Ø 16"	6
110336	Ø 450	Ø 18"	6



## Firebreak Duct Superior R2.0



### Features

- **Superior Insulation**  
Thicker insulation greatly enhances duct performance and integrity.
- **Superior Performance**  
The thick insulation and R2.0 rating. Provides significant reductions in heat loss/gain.
- **Superior Efficiency**  
Far superior thermal characteristics than lower R rated flexible duct.
- **Superior Air Temperature Transference**  
There is less fluctuation of air temperature through the duct which provides more even distribution of the conditioned air.
- **Superior Running Costs**  
The superior performance and consistent air temperature delivery of the flexible duct reduces the load on the air conditioning unit which contributes to reduced running costs.
- **Complies with Australian Standard AS4254.1-2012**

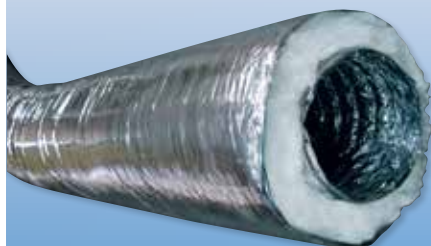
### Firebreak Superior Duct R2.0 (Polyester Insulation) - 6 Metre Lengths

Item #	Diameter		Length (m)
	mm	inch	
110250	Ø 150	Ø 6"	6
110251	Ø 200	Ø 8"	6
110252	Ø 250	Ø 10"	6
110253	Ø 300	Ø 12"	6
110254	Ø 350	Ø 14"	6
110255	Ø 400	Ø 16"	6
110256	Ø 450	Ø 18"	6
110257	Ø 500	Ø 20"	6

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AIRCONDITIONING PRODUCTS

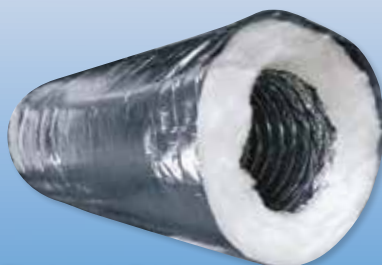
# ***Flexible Ducting***

***Polyaire offers four different types:***



## **Superior Duct R2.0**

This is the premium duct with a thermal rating of R2.0. It complies or exceeds all the new building codes for residential installations and is highly efficient in maintaining constant air temperature and contributes to reducing running costs of your air conditioning unit. Superior duct is the optimum choice for reverse cycle installations.



## **Firebreak R1.5**

Firebreak R1.5 complies or exceeds all the new building codes for residential installations and is highly efficient in maintaining constant air temperature and contributes to reducing running costs of your air conditioning unit.



## **Silver Duct**

Silver duct has a thermal rating of R1.0 and is a tough long lasting product which complies with the building code for many residential applications. It is an ideal choice for cooling only applications.



## **Silent Flex**

Use up to 6 metre lengths of Polyaire Silent Flex loosely coiled and positioned so that the Air Conditioning unit's air intake is as quiet as possible. Its superior noise dampening characteristics is due to millions of perforations in the metallized mylar inner core that baffle the sound.

The cushioning effect of two ducts designed this way is not often seen in cheaper designs and installations and contributes greatly to low noise and high efficiency.

\*Small Systems may need only a single duct.

*Available from your local Polyaire branch. See [www.polyaire.com.au](http://www.polyaire.com.au) for further details*