

Issue 13  
July 2012



## Rytons RytDuct®

### Flat Channel Ducting and Components


100mm, 125mm and 150mm Ranges Available

Full size guides, technical data sheets, images and installation videos available at:

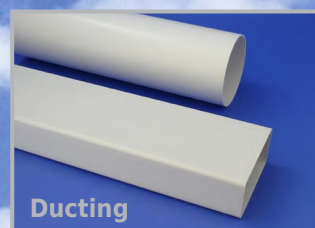
[www.vents.co.uk](http://www.vents.co.uk)

For more information call:  
01536 511874

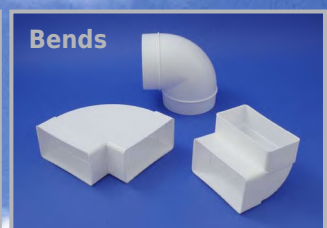


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# Services and Approvals

## Free Delivery

Free delivery is available on orders of just **£50 nett** to any address on the UK mainland – including sites.

## Next Day Delivery

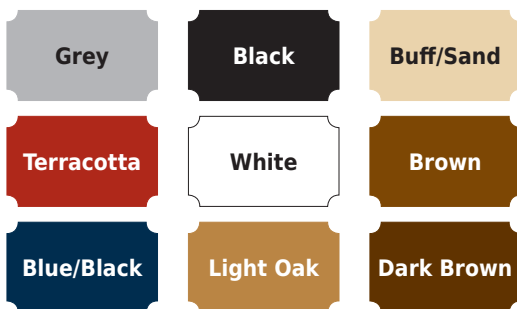
Fast delivery means shorter leads times with orders confirmed before 3pm dispatched the same day and over 99% delivered **next working day** at no extra charge. Orders to Northern Ireland and the Republic of Ireland are normally delivered in 2-3 working days.

## Happy to Help

Please feel free to call us on **01536 511874** or email us at **admin@rytons.com** with your quotes, questions or queries. Our offices are open 8:30am – 5:00pm weekdays and we are here to help.

## Colour Matching Service

We are able to manufacture many of our ventilators in alternative colours. You can choose from our standard colour palette below or provide us with a RAL number. For further information contact our sales office.

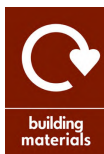


## Environmental Policy

Where practicable, and where the product quality can be maintained, our plastic products are made from or incorporate recycled material. Where possible product packaging is made of degradable recycled cardboard and the minimum packaging possible is used. To avoid excessive product literature, information is available in a variety of paper free formats. Further information is available at **www.vents.co.uk**.



Please recycle cardboard packaging, product guides and printouts.



If you are unable to use excess products on another project they may be recycled where facilities exist.

## Verifiable Testing and Independent Approvals

Rytons has the largest range of **BBA approved** ventilators on the market. BBA approval is third party evaluation and accreditation, and approved products are accepted by building control, architects, engineers and surveyors, and by the NHBC. It's your assurance that our products meet the Standards and will last – something not offered by all manufacturers.

**HETAS** is the official body for approving solid fuel domestic heating appliances. Rytons ventilators are the only products on the market with HETAS approval and the only ventilators recommended by HETAS to their registered engineers.

**The Building Research Establishment Ltd** is an independent testing authority. BRE Acoustics measurements were conducted using procedures accredited by UKAS.

**Advantica Technologies**, previously known as British Gas Technologies, developed the dynamic test procedure for calculating the equivalent area of a ventilator.



## NBS Plus

Rytons technical specifications are listed on **NBS Plus**, part of the NBS industry standard specification software used by architects, building surveyors and other construction industry professionals. NBS Plus data is also available to paste straight into your project specification, free of charge, at **www.vents.co.uk**.

## Key

	Made from U.V. stabilised material
	Flame retardent
	Fire retardent
	Available bar coded/bagged for display

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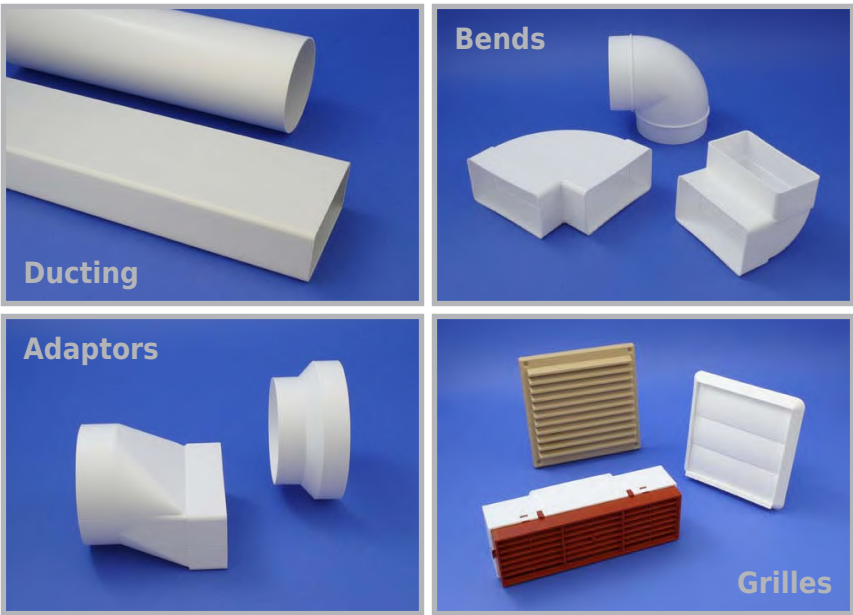
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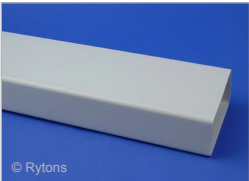

Any communication regarding the above should be directed to Rytons Building Products Ltd, Design House, Kettering Business Park, Kettering, NN15 6NL.

# Rytons 100mm (110mm x 54mm) RytDuct® Range Flat Channel Ducting and Components



# Rytons 100mm (110mm x 54mm) RytDuct® Range

For applications requiring lower extraction rates such as bathrooms, WCs and cooker hoods. Use with cooker hoods and extraction fans with a maximum output of 250m<sup>3</sup> per hour. Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD4/M</b> 	<b>Rytons Flat Channel Duct</b> <ul style="list-style-type: none"> <li>Compatible with components RD4C, RD4RDAMP, RD4CLIP, RD4V90, RD4H90, RD4TFLAT, RD4EB, RD4EC, RD4FR, RD4SFR, RD4ADAP and RD4WP.</li> <li>Connects to RD4MFAB external Multifix® Air Brick grille.</li> </ul>	Male component 110mm W x 54mm H overall ext. x 1m L (Rytons RD41M) 2m L (Rytons RD42M)	White
<b>Rytons RD4C</b> 	<b>Rytons Flat Channel Connector</b> <ul style="list-style-type: none"> <li>Push fit connection to Flat Channel Duct RD4/M.</li> <li>Allows an extended run of ducting.</li> </ul>	Female component	White
<b>Rytons RD4RDAMP</b> 	<b>Rytons Flat Channel Connector with Damper</b> <ul style="list-style-type: none"> <li>Push fit connection to Flat Channel Duct RD4/M.</li> <li>Allows an extended run of ducting with the benefit of an internal damper, which opens when the appliance e.g. cooker hood is in operation.</li> </ul>	Female component	White
<b>Rytons RD4CLIP</b> 	<b>Rytons Flat Channel Duct Clip</b> <ul style="list-style-type: none"> <li>Clips onto Flat Channel Duct RD4/M.</li> <li>Secures with screws to other surfaces.</li> </ul>		White
<b>Rytons RD4V90</b> 	<b>Rytons 90° Vertical Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD4/M.</li> <li>Allows a 90° vertical change of direction.</li> </ul>	Female component	White
<b>Rytons RD4H90</b> 	<b>Rytons 90° Horizontal Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD4/M.</li> <li>Allows a 90° horizontal change of direction.</li> </ul>	Female component	White

# Rytons 100mm (110mm x 54mm) RytDuct® Range

For applications requiring lower extraction rates such as bathrooms, WCs and cooker hoods. Use with cooker hoods and extraction fans with a maximum output of 250m<sup>3</sup> per hour. Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD4TFLAT</b> 	<b>Rytons Flat Channel T Piece</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD4/M.</li> <li>Allows a 90° vertical and/or horizontal change of direction.</li> </ul>	Female component	White
<b>Rytons RD4EB</b> 	<b>Rytons 90° Elbow Bend</b> <ul style="list-style-type: none"> <li>Connects Flat Channel Duct RD4/M to Rigid Pipe RD4/RND with a 90° bend.</li> <li>Use with Female Threaded Hose Connector RD4HCF to connect 100mm dia. RytHose range.</li> </ul>	Female component with male spigot 99mm Ext. Dia. x 20mm D	White
<b>Rytons RD4EC</b> 	<b>Rytons 90° Elbow Connector</b> <ul style="list-style-type: none"> <li>Connects Flat Channel Duct RD4/M to 100mm dia. RytHose range via Male Threaded Hose Connector RD4HCM.</li> </ul>	Female component with female collar 100mm Int. Dia. x 20mm D	White
<b>Rytons RD4FR</b> 	<b>Rytons Flat Channel Horizontal Adaptor</b> <ul style="list-style-type: none"> <li>Connects appliance to Flat Channel Duct RD4/M.</li> <li>Use RD4CONN to connect Rigid Pipe RD4/RND.</li> </ul>	Female component with female collar 100mm Int. Dia. x 20mm D	White
<b>Rytons RD4SFR</b> 	<b>Rytons Short Round to Rectangular Adaptor (Male)</b> <ul style="list-style-type: none"> <li>Connects Flat Channel Duct RD4/M to Rigid Pipe RD4/RND for attachment to grilles RD4GG, RD4GGSS, RD4CG, RD4CGSS, RD4LGSS, RD4MGSS, RD4LVGG, CV60FBG, RDLVBG and RDFLVBG.</li> <li>Use with Female Threaded Hose Connector RD4HCF to attach 100mm dia. RytHose range.</li> </ul>	Male component with male spigot 100mm Ext. Dia. x 33mm D	White
<b>Rytons RD4/RND</b> 	<b>Rytons Rigid Pipe</b> <ul style="list-style-type: none"> <li>Connects directly to grilles RD4GG/SS, RD4CG/SS, RD4LGSS, RD4MGSS, RD4LVGG, CV60FBG, RDLVBG and RDFLVBG.</li> <li>Compatible with components RD4CONN, RD4CDAMP, FD4CLIP, RD4PC, RD445PC, RD4TRND, RD4TRAP, RD4REDUC, RD46REDUC, RD4HCM, RD4EB, RD4SFR and INTPLATE.</li> <li>Use RD4SFR to connect to Flat Channel Duct RD4/M.</li> </ul>	Female component 101mm Int. Dia. 103mm Ext. Dia. x 358mm L (Rytons RD435RND) 1m L (Rytons RD41RND) 1.5m L (Rytons RD415RND) 2m L (Rytons RD42RND)	White

# Rytons 100mm (110mm x 54mm) RytDuct® Range

For applications requiring lower extraction rates such as bathrooms, WCs and cooker hoods. Use with cooker hoods and extraction fans with a maximum output of 250m<sup>3</sup> per hour. Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD4CONN</b> 	<b>Rytons Pipe/Hose Connector</b> <ul style="list-style-type: none"> <li>● Push fit connection to Rigid Pipe RD4/RND.</li> <li>● Allows an extended run of ducting.</li> </ul> 	Male component	White
<b>Rytons RD4CDAMP</b> 	<b>Rytons Pipe/Hose Connector with Damper</b> <ul style="list-style-type: none"> <li>● Push fit connection to Rigid Pipe RD4/RND.</li> <li>● Allows an extended run of ducting with the benefit of an internal damper, which opens when the appliance e.g. cooker hood is in operation.</li> </ul>	Male component	White
<b>Rytons FD4CLIP</b> 	<b>Rytons Round Clip</b> <ul style="list-style-type: none"> <li>● Clips onto Rigid Pipe RD4/RND and 100mm dia. RytHose range.</li> <li>● Secures with screws to other surfaces.</li> </ul> 		White
<b>Rytons RD4PC</b> 	<b>Rytons 90° Elbow Pipe Connector</b> <ul style="list-style-type: none"> <li>● Allows a 90° change of direction.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> </ul>	Male component	White
<b>Rytons RD445PC</b> 	<b>Rytons 45° Elbow Pipe Connector</b> <ul style="list-style-type: none"> <li>● Allows a 45° change of direction.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> </ul>	Male component	White
<b>Rytons RD4TRND</b> 	<b>Rytons 3 Way T Piece</b> <ul style="list-style-type: none"> <li>● Allows a 90° vertical and/or horizontal change of direction.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● Compatible with Elbow Connector RD4EC and Flat Channel Horizontal Adaptor RD4FR.</li> </ul> 	Male component with spigots 99mm Ext. Dia. x 27mm D	White


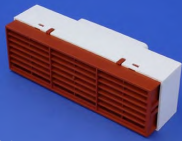





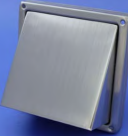
# Rytons 100mm (110mm x 54mm) RytDuct® Range

For applications requiring lower extraction rates such as bathrooms, WCs and cooker hoods. Use with cooker hoods and extraction fans with a maximum output of 250m<sup>3</sup> per hour. Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD4TRAP	<b>Rytons Condensation Trap with Overflow</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Use where condensation is a concern i.e. if ducting runs through a cold roof space.</li> <li>● Internal gutter within the trap collects moisture and drains it out through a standard overflow pipe (not supplied) to the outside.</li> <li>● Connects to Rigid Pipe RD4/RND.</li> </ul> 	Male component	White
Rytons RD4REDUC	<b>Rytons 125mm to 100mm Reducer</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Reduces 125mm dia. ducting to fit 100mm dia. components.</li> <li>● Use with adaptor RD4FR to connect to Flat Channel Duct RD4/M.</li> <li>● 100mm spigot compatible with 100mm dia. Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● 125mm collar compatible with 125mm dia. Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> </ul> 	<b>100mm male spigot:</b> 99mm Ext. Dia. x 20mm D <b>125mm female collar:</b> 125mm Int. Dia. x 20mm D	White
Rytons RD46REDUC	<b>Rytons 150mm to 100mm Reducer</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Reduces 150mm dia. ducting to fit 100mm dia. components.</li> <li>● Use with adaptor RD4FR to connect to Flat Channel Duct RD4/M.</li> <li>● 100mm spigot compatible with 100mm dia. Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● Use RD6CONN to connect 150mm collar to 150mm dia. Rigid Pipe RD636RND.</li> </ul> 	<b>100mm male spigot:</b> 100mm Ext. Dia. x 22mm D <b>150mm female collar:</b> 150mm Int. Dia. x 22mm D	White
Rytons RD4HCM	<b>Rytons Threaded Hose Connector (Male)</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Connects to Rigid Pipe RD4/RND.</li> <li>● Screw thread connects to 100mm dia. RytHose range.</li> <li>● Join to Female Hose Connector RD4HCF to form extended ducting.</li> </ul> 	Male component with male spigot 99mm Ext. Dia. x 25mm D Hose connector: 112mm Ext. Dia. x 30mm D	White
Rytons RD4HCF	<b>Rytons Threaded Hose Connector (Female)</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Screw thread connects to 100mm dia. RytHose range.</li> <li>● Join to Male Hose Connector RD4HCM to form extended ducting.</li> </ul> 	Female component with female spigot 100mm Int. Dia. x 25mm D Hose connector: 113mm Ext. Dia. x 30mm D	White
Rytons RD4WP	<b>Rytons Rectangular Wall Plate</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Plate to make good internal surface by covering damage caused by drilling.</li> <li>● Aperture accommodates Flat Channel Duct RD4/M.</li> </ul> 	162mm L x 162mm H with 113mm L x 55mm H aperture	White
















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Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons INTPLATE	Rytons Circular Wall Plate	162mm L x 158mm H with 113mm Dia. aperture	White
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Plate to make good internal surface by covering damage caused by drilling.</li> <li>● Aperture accommodates any 100mm diameter ducting.</li> </ul>		
Rytons RD4MFAB	Rytons Multifix® Air Brick with Flat Channel Ducting Adaptor	220mm L x 72mm H overall ext. with 106mm L x 51mm H overall ext. male connector	<b>Multifix® Air Brick:</b> Terracotta, buff/sand, white, blue/black, black, grey, brown
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Rytons BBA Approved Multifix® Air Brick with specially designed adaptor to connect to Flat Channel Duct RD4/M.</li> <li>● Components supplied fitted as a single unit ready for use.</li> <li>● Available in a range of seven colours to maintain the aesthetic external appearance.</li> <li>● Air brick U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
NEW			
Rytons RD4GG	Rytons Gravity Grille	154mm L x 154mm H x 16mm D with 99mm Dia. male spigot	White, brown, terracotta, buff/sand
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile gravity grille with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flaps open when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
	 		
Rytons RD4GGSS	Rytons Stainless Steel Gravity Grille	151mm L x 151mm H x 19mm D with 96mm Dia. male spigot	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile gravity grille with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flaps open when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		
Rytons RD4CG	Rytons Cowled Grille	154mm L x 154mm H x 78mm D with 99mm Dia. male spigot	White, brown, terracotta, buff/sand
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● External cowl with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flap opens when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
	 		
Rytons RD4CGSS	Rytons Stainless Steel Cowled Grille	151mm L x 151mm H x 73mm D with 96mm Dia. male spigot	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● External cowl with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flap opens when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use Female Hose Connector RD4HCF).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		

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For applications requiring lower extraction rates such as bathrooms, WCs and cooker hoods. Use with cooker hoods and extraction fans with a maximum output of 250m<sup>3</sup> per hour. Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD4LGSS	<b>Rytons Stainless Steel Cowled Louvred Grille</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with fixed open louvres and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>	96mm Dia. male spigot 147mm Dia. flange x 68mm D	Stainless Steel
Rytons RD4MGSS	<b>Rytons Stainless Steel Cowled Meshed Grille</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with wire grille and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>	96mm Dia. male spigot 147mm Dia. flange x 68mm D	Stainless Steel
Rytons RD4LVGG	<b>Rytons Louvred/Gravity Grille</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile fixed open louvre grille with spigot for rigid pipe and flexible ducting.</li> <li>● Easily converted to a gravity grille using flaps supplied.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>	154mm L x 154mm H x 17mm D with 99mm Dia. male spigot	White, brown, terracotta*, buff/sand*
 		* To order	
Rytons CV60FBG	<b>Rytons RytAround Ventilator</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Circular louvre grille with removable flyscreen.</li> <li>● Suits tubes / holes 100mm to 150mm diameter.</li> <li>● Fixed open <b>inverted</b> louvres allow high air flow.</li> <li>● Slim profile with a flush finish.</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> <li>● For internal and external use.</li> </ul>	156mm Ext. Dia. x 13.5mm D	White
 		 <p><b>BBA</b> APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 11/2886 Product Sheet 1</p>	
Rytons RDLVBG	<b>Rytons '6x6' Louvre &amp; 97mm Dia. Backplate</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile fixed open louvre grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>	166mm L x 160mm H with 97mm Dia. male spigot	White, terracotta, buff/sand, black, brown grille
 		White backplate	
Rytons RDFLVBG	<b>Rytons '6x6' Louvre with Flyscreen &amp; 97mm Dia. Backplate</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile fixed open flyscreened louvre grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>	166mm L x 160mm H with 97mm Dia. male spigot	White, terracotta, buff/sand, black, brown grille
 		White f/screen and backplate	

# Rytons Intumescent Firewraps and Firecuffs for 100mm (110mm x 54mm) Ducting Range

## Main Uses, Features and Benefits



### Rytons 100mm Firewrap

- Intumescent wraps suitable for use with Rytons Flat Channel Ducts RD4/M and Rigid Pipes RD4/RND.
- In the event of a fire the wrap expands crushing the ventilation duct, sealing it against the fire.
- Gives 2 hours protection preventing the passage of smoke and gases (tested to BS476 Parts 20 and 22).
- Plastic casing surrounds and protects internal intumescent felt strips.
- Commences action at 180-200°C, has a 17 x free expansion rate with a 10 bar pressure generation force.

#### Installation

Wrap the firewrap around the outside of the duct and secure with the fixing tape.

#### Important Note

Ensure firewrap is surrounded by external brickwork or blockwork. Do not use in plasterboard structures without surrounding it with a Firewrap Sleeve (see below for details).



Code	Size	Compatible with
Rytons FW41M	110mm W x 54mm H	Rytons Flat Channel Duct RD4/M
Rytons FW100	100mm Diameter	Rytons Rigid Pipe RD4/RND



### Rytons 100mm Firewrap Sleeve

- A metal sleeve to cover rectangular firewrap when used in stud and plasterboard walls.



Code	Size	Compatible with
Rytons FWS41M	110mm W x 54mm H	Rytons Firewrap FW41M



### Rytons 100mm Firecuff

- Circular intumescent cuff installed with extractor fans or vents when fitted in fire rated ceilings.
- In the event of a fire the cuff expands inwards and crushes the spigot of the fan or vent sealing the duct against the passage of fire, smoke and gases.
- Gives 36 minutes effective protection for a 30 minute rated timberboard or plasterboard ceiling.
- Gives 72 minutes effective protection for a 60 minute rated timberboard or plasterboard ceiling.
- Complies with The Building Regulations Approved Document B and tested to BS476 Part 21.



Code	Size	Compatible with
Rytons FC100	100mm Diameter	Rytons grilles RDLVBG and RDFLVBG

Rytons Intumescent Firewraps and Firecuffs are available to order, please contact Rytons Sales Office on 01536 511874 for current lead times.



### Rytons Intumescent RytBlock Range

- Heavy duty intumescent grilles for walls and ducts.
- Slats fuse together and seal in 2 minutes.
- Give 3 hours protection preventing the passage of smoke and gases.
- Temperature increase insulated for 22 minutes.
- May be used in high humidity.





Code	Size
Rytons ACFIRE	118mm Dia. x 43mm D
Rytons TL8FIRE	206mm L x 58mm H x 44mm D
Rytons TL16FIRE	206mm L x 124mm H x 44mm D



# Rytons 100mm RytHose Range Flexible Ducting



## Main Uses, Features and Benefits

## Order and Specification Code

## Size

Rytons 100mm Diameter RytHose														
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Multi-purpose flexible ducting for low pressure venting.</li> <li>● Static working temperature from -5°C to 60°C.</li> <li>● Manufactured from flame retardant PVC film.</li> <li>● Easily fitted to round connectors.</li> <li>● May be used in conjunction with tumble dryers and domestic fans for bathroom and kitchen ventilation.</li> </ul>	<table border="1"> <tr> <td>Rytons FDUCT41M</td> <td>100mm Dia. x 1m L</td> </tr> <tr> <td>Rytons FDUCT42M</td> <td>100mm Dia. x 2m L</td> </tr> <tr> <td>Rytons FDUCT43M</td> <td>100mm Dia. x 3m L</td> </tr> <tr> <td>Rytons FDUCT46M</td> <td>100mm Dia. x 6m L</td> </tr> <tr> <td>Rytons FDUCT415</td> <td>100mm Dia. x 15m L</td> </tr> <tr> <td>Rytons FDUCT445M</td> <td>100mm Dia. x 45m L</td> </tr> </table>	Rytons FDUCT41M	100mm Dia. x 1m L	Rytons FDUCT42M	100mm Dia. x 2m L	Rytons FDUCT43M	100mm Dia. x 3m L	Rytons FDUCT46M	100mm Dia. x 6m L	Rytons FDUCT415	100mm Dia. x 15m L	Rytons FDUCT445M	100mm Dia. x 45m L
Rytons FDUCT41M	100mm Dia. x 1m L													
Rytons FDUCT42M	100mm Dia. x 2m L													
Rytons FDUCT43M	100mm Dia. x 3m L													
Rytons FDUCT46M	100mm Dia. x 6m L													
Rytons FDUCT415	100mm Dia. x 15m L													
Rytons FDUCT445M	100mm Dia. x 45m L													
														

Rytons Rectangular RytHose				
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Multi-purpose flexible ducting for low pressure venting.</li> <li>● Static working temperature from -5°C to 60°C.</li> <li>● Manufactured from flame retardant PVC film.</li> <li>● Easily fitted to rectangular connectors.</li> </ul>	<table border="1"> <tr> <td>Rytons FRD41M</td> <td>110mm W x 54mm H x 1m L</td> </tr> </table>	Rytons FRD41M	110mm W x 54mm H x 1m L
Rytons FRD41M	110mm W x 54mm H x 1m L			
				

Rytons Fire Resistant RytHose				
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Flexible and robust aluminium ducting suitable for use with mechanical air ventilation and air conditioning systems.</li> <li>● Approved fire resistance of at least 15 minutes.</li> <li>● In case of fire no poisonous gases are released.</li> <li>● Approved to M1 fire standard.</li> <li>● Lightweight and easily fitted to round connectors.</li> <li>● Static working temperature from -30°C to 140°C.</li> <li>● Maximum air velocity 30m/sec.</li> <li>● Maximum working pressure 2500 Pa.</li> </ul>	<table border="1"> <tr> <td>Rytons FAD410M</td> <td>100mm Dia. x 10m L</td> </tr> </table>	Rytons FAD410M	100mm Dia. x 10m L
Rytons FAD410M	100mm Dia. x 10m L			
				

# Rytons 100mm RytHose Range Flexible Ducting

## Main Uses, Features and Benefits

## Order and Specification Code

## Size

	Rytons Thermal RytHose		
	<ul style="list-style-type: none"> <li>Fully flexible insulated aluminium ducting.</li> <li>Choice of 25mm and 50mm thick insulation.</li> <li>For use in installations where condensation is a concern i.e. if duct runs through a cold roof space.</li> <li>Approved fire resistance of 30 mins integrity and 17 mins insulation.</li> <li>Easily fitted to round connectors.</li> <li>Static working temperature from -30°C to 140°C.</li> <li>Maximum air velocity 30m/sec.</li> <li>Maximum working pressure 2000 Pa.</li> <li>25mm insulation density 16 kg/m<sup>3</sup>.</li> <li>50mm insulation density 16 kg/m<sup>3</sup>.</li> </ul> 	<p><b>25mm Insulation</b> Rytons FDTher410</p> <p><b>50mm Insulation</b> Rytons FDTher50410</p>	<p><b>25mm Insulation</b> 100mm Int. Dia. x 10m L</p> <p><b>50mm Insulation</b> 100mm Int. Dia. x 10m L</p>
	<p><b>Rytons Semi Rigid Aluminium RytHose</b></p> <ul style="list-style-type: none"> <li>Robust aluminium ducting suitable for use with mechanical ventilation and air conditioning systems.</li> <li>Suitable for direct ventilation to solid fuel stoves.</li> <li>Approved to M1 fire standard.</li> <li>Static working temperature from -30°C to 250°C.</li> <li>Maximum air velocity 30m/sec.</li> <li>Maximum working pressure +10000 Pa.</li> </ul> 	<p>Rytons FSRA41.5M</p>	<p>102mm Dia. x 1.5m L</p>
	<p><b>Rytons RytHose Clips</b></p> <ul style="list-style-type: none"> <li>100mm Dia. Round Clip.</li> <li>100mm Dia. Jubilee Clip.</li> </ul>	<p>Rytons FD4CLIP Rytons JCLP100</p>	<p>100mm Dia. 100mm Dia.</p>
	<p><b>Rytons White Sealing Tape</b></p> <ul style="list-style-type: none"> <li>White PVC sealing tape for use with ducting and connectors.</li> <li>Suitable for working temperatures -20°C to 60°C.</li> </ul>	<p>Rytons TAPE4.6M</p>	<p>50mm W x 4.6m L</p>

# Technical Data

Description	Code	Free Area	Static Pressure Drop in Pascals (Pa)		
			15 l/s	30 l/s	60 l/s
Rytons Flat Channel Duct (1m L)	RD41M	5424mm <sup>2</sup>	2.21	8.56	33.10
Rytons Flat Channel Duct (2m L)	RD42M	5424mm <sup>2</sup>	4.42	17.12	66.20
Rytons Flat Channel Connector	RD4C		0.03	1.40	6.30
Rytons 90° Vertical Bend	RD4V90		15.60	62.80	252.70
Rytons 90° Horizontal Bend	RD4H90		9.80	39.80	161.90
Rytons 90° Elbow Bend	RD4EB		8.10	33.10	136.40
Rytons 90° Elbow Connector	RD4EC		8.10	33.10	136.40
Rytons Flat Channel Horizontal Adaptor	RD4FR		3.70	14.60	58.00
Rytons Short Round to Rectangular Adaptor (Male)	RD4SFR		4.80	20.40	86.20
Rytons Rigid Pipe (1m L)	RD41RND	7855mm <sup>2</sup>	0.50	1.40	3.10
Rytons Rigid Pipe (1.5m L)	RD415RND	7855mm <sup>2</sup>	0.75	2.10	4.65
Rytons Rigid Pipe (2m L)	RD42RND	7855mm <sup>2</sup>	1.00	2.80	6.20
Rytons Pipe/Hose Connector	RD4CONN		0.90	4.20	20.40
Rytons Pipe/Hose Connector with Damper	RD4CDAMP		25.00	44.90	101.60
Rytons 90° Elbow Pipe Connector	RD4PC		5.60	21.10	80.10
Rytons 45° Elbow Pipe Connector	RD445PC		2.10	8.20	31.40
Rytons 3 Way T Piece	RD4TRND		Figures vary on installation		
Rytons 125mm to 100mm Reducer	RD4REDUC		1.50	5.90	24.00
Rytons Multifix® Air Brick with Flat Channel Ducting Adaptor	RD4MFAB	4794mm <sup>2</sup>			
Rytons Gravity Grille	RD4GG	7200mm <sup>2</sup>	10.94	18.59	24.21
Rytons Cowled Grille	RD4CG	7200mm <sup>2</sup>	4.72	17.18	62.48
Rytons RytAround Ventilator (without flyscreen)	CV60FBG	4873mm <sup>2</sup>			
Rytons RytAround Ventilator (with flyscreen)	CV60FBG	2912mm <sup>2</sup>			
Rytons '6x6' Louvre & 97mm Dia. Backplate	RDLVBG	7300mm <sup>2</sup>			
Rytons '6x6' Louvre with Flyscreen & 97mm Dia. Backplate	RDFLVBG	6423mm <sup>2</sup>			
Rytons 125mm AirCore® Intumescent RytBlock	ACFIRE	5150mm <sup>2</sup>			
Rytons '9x3' Intumescent RytBlock	TL8FIRE	5330mm <sup>2</sup>			
Rytons '9x6' Intumescent RytBlock	TL16FIRE	13390mm <sup>2</sup>			

## Composition

Flame-retardant material conforms to a minimum to DIN41092 B1, UL94 V-2 and in some cases UL94 V-1.  
 If the flame was removed from the product it would stop burning as the material is self extinguishing.  
 If tested products would pass to the standard of UL94 V-0.

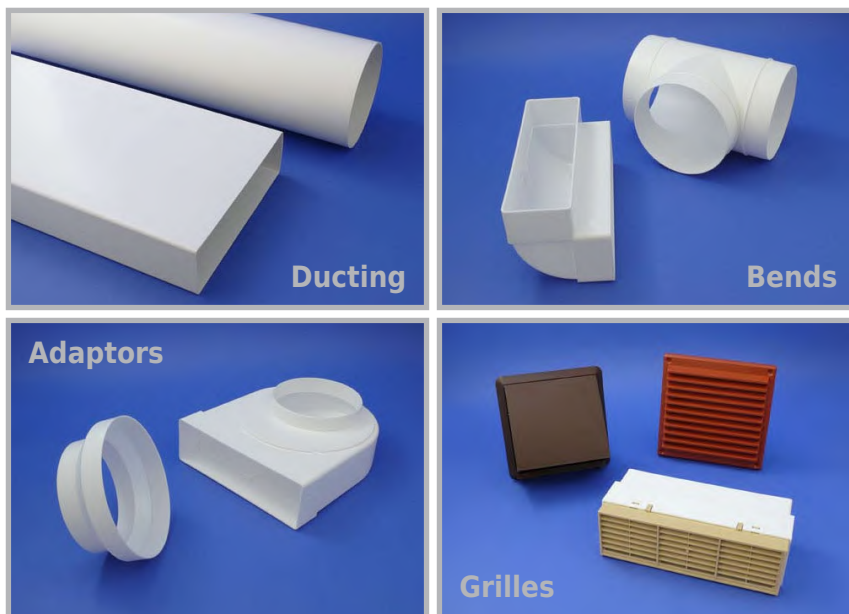
## NBS Plus Clause References



U80 - 535  
 U90 - 425

Insert Rytons NBS Plus data straight into your project specifications free of charge at [www.vents.co.uk](http://www.vents.co.uk).

## Rytons 125mm (204mm x 60mm) RytDuct® Range Flat Channel Ducting and Components



# Rytons 125mm (204mm x 60mm) RytDuct® Range

For use in conjunction with cooker hoods and extraction fans with a maximum output of 500m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD51M</b> 	<b>Rytons Flat Channel Duct</b> <ul style="list-style-type: none"> <li>Compatible with components RD5C, RD5CLIP, RD5V90, RD5H90, RD5H45, RD5EB, RD5FR and RD5WPR.</li> <li>Connects to RD5MFAB external Multifix® Air Brick grille.</li> </ul> 	Male component 204mm W x 60mm H overall ext. x 1m L	White
<b>Rytons RD5AD/M</b> 	<b>Rytons Acoustic Flat Channel Duct</b> <ul style="list-style-type: none"> <li>Sound attenuating ducting for central ventilation systems.</li> <li>Reduces noise generated by an appliance or other connected ducting.</li> <li>To reduce appliance noise install the RD5AD/M within the same room as the appliance. To reduce room-to-room disturbance install the RD5AD/M close to each inlet/outlet.</li> <li>2no RD5C connectors supplied with each length of RD5AD/M.</li> </ul> 	Male component 204mm W x 60mm H overall ext. x 500mm L (RD5AD05M) 1m L (RD5AD1M) 1.5m L (RD5AD1.5M)  See page 24 for technical data	White
<b>Rytons RD5C</b> 	<b>Rytons Flat Channel Connector</b> <ul style="list-style-type: none"> <li>Push fit connection to Flat Channel Duct RD51M.</li> <li>Allows an extended run of ducting.</li> </ul> 	Female component	White
<b>Rytons RD5CLIP</b> 	<b>Rytons Flat Channel Duct Clip</b> <ul style="list-style-type: none"> <li>Clips onto Flat Channel Duct RD51M.</li> <li>Secures with screws to other surfaces.</li> </ul> 		White
<b>Rytons RD5V90</b> 	<b>Rytons 90° Vertical Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD51M.</li> <li>Allows a 90° vertical change of direction.</li> </ul> 	Female component	White
<b>Rytons RD5H90</b> 	<b>Rytons 90° Horizontal Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD51M.</li> <li>Allows a 90° horizontal change of direction.</li> </ul>	Female component	White

# Rytons 125mm (204mm x 60mm) RytDuct® Range

For use in conjunction with cooker hoods and extraction fans with a maximum output of 500m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD5H45	<b>Rytons 45° Horizontal Bend</b>		
	<ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD51M.</li> <li>Allows a 45° horizontal change of direction.</li> </ul>	Female component	White
Rytons RD5EB	<b>Rytons 90° Rotating Elbow Bend</b>		
	<ul style="list-style-type: none"> <li>Connects Flat Channel Duct RD51M to Rigid Pipe RD51RND.</li> <li>Use with Threaded Hose Connector RD5HC to connect 125mm dia. RytHose range.</li> <li>Circular spigot rotates to aid positioning of ducting.</li> </ul>	Female component with male spigot 125mm Ext. Dia. x 20mm D	White
Rytons RD5FR	<b>Rytons Flat Channel Horizontal Adaptor</b>		
	<ul style="list-style-type: none"> <li>Connects appliance to Flat Channel Duct RD51M.</li> <li>Use with RD5CONN to connect to Rigid Pipe RD51RND.</li> </ul>	Female component with female collar 125mm Int. Dia. x 20mm D	White
Rytons RD51RND	<b>Rytons Rigid Pipe</b>		
	<ul style="list-style-type: none"> <li>Connects directly to grilles RD5GG, RD5CG, RD5LGSS, RD5MGSS, CV60FBG, RD5LVBG and RD5FLVBG.</li> <li>Use RD5CONN and RD5FR to connect to Flat Channel Duct RD51M.</li> <li>Compatible with components RD5CONN, FD5CLIP, RD5PC, RD545PC, RD5TRND, RD5REDUC, RD5EB and RD5WPC.</li> </ul>	Female component 125mm Int. Dia. 128mm Ext. Dia. x 1m L	White
Rytons RD5CONN	<b>Rytons Pipe/Hose Connector</b>		
	<ul style="list-style-type: none"> <li>Push fit connection to Rigid Pipe RD51RND.</li> <li>Allows an extended run of ducting.</li> </ul>	Male component	White
Rytons FD5CLIP	<b>Rytons Round Clip</b>		
	<ul style="list-style-type: none"> <li>Clips onto Rigid Pipe RD51RND and 125mm dia. RytHose range.</li> <li>Secures with screws to other surfaces.</li> </ul>		White






# Rytons 125mm (204mm x 60mm) RytDuct® Range

For use in conjunction with cooker hoods and extraction fans with a maximum output of 500m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD5PC	<b>Rytons 90° Elbow Pipe Connector</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Allows a 90° change of direction.</li> <li>Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> </ul>	Male component	White
Rytons RD545PC	<b>Rytons 45° Elbow Pipe Connector</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Allows a 45° change of direction.</li> <li>Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> </ul>	Male component	White
Rytons RD5TRND	<b>Rytons 3 Way T Piece</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Allows a 90° vertical and/or horizontal change of direction.</li> <li>Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>Use Horizontal Adaptor RD5FR to connect to Flat Channel Duct RD51M.</li> </ul>	Male component with spigots 125mm Ext. Dia. x 30mm D	White
Rytons RD5REDUC	<b>Rytons 150mm to 125mm Reducer</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Reduces 150mm dia. ducting to fit 125mm dia. components.</li> <li>Use with RD5FR to connect to Flat Channel Duct RD51M.</li> <li>125mm spigot compatible with 125mm Dia. Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>Use RD6CONN to connect 150mm collar to 150mm dia. Rigid Pipe RD636RND.</li> </ul>	<b>125mm male spigot:</b> 125mm Ext. Dia. x 23mm D <b>150mm female collar:</b> 150mm Int. Dia. x 23mm D	White
Rytons RD5HC	<b>Rytons Threaded Hose Connector (Female)</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Screw thread connects to 125mm dia. RytHose range.</li> <li>Compatible with RD5EB, RD5CONN, RD5PC, RD545PC and RD5TRND.</li> <li>Use RD5CONN to connect to 125mm dia. Rigid Pipe RD51RND.</li> <li>Will attach directly to grilles RD5GG, RD5CG, RD5LGSS, RD5MGSS, CV60FBG, RD5LVBG and RD5FLVBG.</li> </ul>	Female component with female spigot 129mm Ext. Dia. x 26mm D Hose connector: 144mm Ext. Dia x 23mm D	White
Rytons RD5WPR	<b>Rytons Rectangular Wall Plate</b>		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Plate to make good internal surface by covering damage caused by drilling.</li> <li>Aperture accommodates Flat Channel Duct RD51M.</li> </ul>	267mm L x 123mm H with 206mm L x 62mm H aperture	White







# Rytons 125mm (204mm x 60mm) RytDuct® Range

For use in conjunction with cooker hoods and extraction fans with a maximum output of 500m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD5WPC	Rytons Circular Wall Plate	173mm L x 173mm H with 130mm Dia. aperture	White
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Plate to make good internal surface by covering damage caused by drilling.</li> <li>● Aperture accommodates any 125mm dia. rigid or flexible ducting.</li> </ul>		
Rytons RD5MFAB	Rytons Multifix® Air Brick with Flat Channel Ducting Adaptor	220mm L x 72mm H overall ext. with 209mm L x 64mm H overall ext. female connector	<b>Multifix® Air Brick:</b> Terracotta, buff/sand, white, blue/black, black, grey, brown
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Rytons BBA Approved Multifix® Air Brick with specially designed adaptor to connect to Flat Channel Duct RD51M.</li> <li>● Components supplied fitted as a single unit ready for use.</li> <li>● Available in a range of seven colours to maintain the aesthetic external appearance.</li> <li>● Air brick U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
NEW			
Rytons RD5GG	Rytons Gravity Grille	154mm L x 154mm H x 16mm D with 125mm Dia. male spigot	White, brown, terracotta*, buff/sand*
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile gravity grille with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flaps open when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
	 		* To order
Rytons RD5CG	Rytons Cowled Grille	154mm L x 154mm H x 78mm D with 125mm Dia. male spigot	White, brown, terracotta*, buff/sand*
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● External cowl with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flap opens when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>		
	 		* To order
Rytons RD5LGSS	Rytons Stainless Steel Cowled Louvred Grille	120mm Dia. male spigot 188mm Dia. flange x 88mm D	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with fixed open louvres and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		
Rytons RD5MGSS	Rytons Stainless Steel Cowled Meshed Grille	120mm Dia. male spigot 188mm Dia. flange x 88mm D	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with wire grille and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		

# Rytons 125mm (204mm x 60mm) RytDuct® Range

For use in conjunction with cooker hoods and extraction fans with a maximum output of 500m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons CV60FBG</b> 	<b>Rytons RytAround Ventilator</b> <ul style="list-style-type: none"> <li>● Circular louver grille with removable flyscreen.</li> <li>● Suits tubes / holes 100mm to 150mm diameter.</li> <li>● Fixed open <b>inverted</b> louvres allow high air flow.</li> <li>● Slim profile with a flush finish.</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> <li>● For internal and external use.</li> </ul>   	156mm Ext. Dia. x 13.5mm D	White
<b>Rytons RD5LVBG</b> 	<b>Rytons '6x6' Louvre &amp; 122mm Dia. Backplate</b> <ul style="list-style-type: none"> <li>● Low profile fixed open louver grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD51RND and 125mm dia. RytHose range (or use RD5HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>  	166mm L x 160mm H with 122mm Dia. male spigot	White, terracotta, buff/sand, black, brown grille  White backplate
<b>Rytons RD5FLVBG</b> 	<b>Rytons '6x6' Louvre with Flyscreen &amp; 122mm Dia. Backplate</b> <ul style="list-style-type: none"> <li>● Low profile fixed open flyscreened louver grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD51RND and 125mm dia. RytHose range (or use RD5HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>  	166mm L x 160mm H with 122mm Dia. male spigot	White, terracotta, buff/sand, black, brown grille  White flyscreen

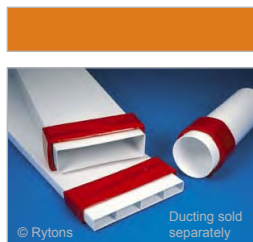
## Can't find the component, size or colour you require?

Call **01536 511874** and talk to our sales office about special order products. Through our manufacturing network we are able to source a variety of other ducting sizes and components. We are also able to manufacture some of the external grilles in alternative colours. You can choose from our standard colour palette below or provide us with a RAL number.



# Rytons Intumescent Firewraps and Firecuffs for 125mm (204mm x 60mm) Ducting Range

## Main Uses, Features and Benefits



### Rytons 125mm Firewrap

- Intumescent wraps suitable for use with Rytons Flat Channel Duct RD51M and Rigid Pipe RD51RND.
- In the event of a fire the wrap expands crushing the ventilation duct, sealing it against the fire.
- Gives 2 hours protection preventing the passage of smoke and gases (tested to BS476 Parts 20 and 22).
- Plastic casing surrounds and protects internal intumescent felt strips.
- Commences action at 180-200°C, has a 17 x free expansion rate with a 10 bar pressure generation force.

#### Installation

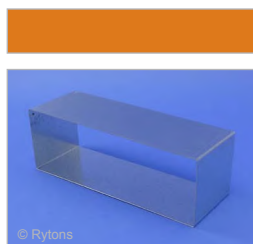
Wrap the firewrap around the outside of the duct and secure with the fixing tape.

#### Important Note

Ensure firewrap is surrounded by external brickwork or blockwork. Do not use in plasterboard structures without surrounding it with a Firewrap Sleeve (see below for details).



Code	Size	Compatible with
Rytons FW51M	204mm W x 60mm H	Rytons Flat Channel Duct RD51M
Rytons FW125	125mm Diameter	Rytons Rigid Pipe RD51RND



### Rytons 125mm Firewrap Sleeve

- A metal sleeve to cover rectangular firewrap when used in stud and plasterboard walls.



Code	Size	Compatible with
Rytons FWS51M	204mm W x 60mm H	Rytons Firewrap FW51M



### Rytons 125mm Firecuff

- Circular intumescent cuff installed with extractor fans or vents when fitted in fire rated ceilings.
- In the event of a fire the cuff expands inwards and crushes the spigot of the fan or vent sealing the duct against the passage of fire, smoke and gases.
- Gives 36 minutes effective protection for a 30 minute rated timberboard or plasterboard ceiling.
- Gives 72 minutes effective protection for a 60 minute rated timberboard or plasterboard ceiling.
- Complies with The Building Regulations Approved Document B and tested to BS476 Part 21.



Code	Size	Compatible with
Rytons FC125	125mm Diameter	Rytons grilles RD5LVBG and RD5FLVBG

Rytons Intumescent Firewraps and Firecuffs are available to order, please contact Rytons Sales Office on 01536 511874 for current lead times.



### Rytons Intumescent RytBlock Range

- Heavy duty intumescent grilles for walls and ducts.
- Slats fuse together and seal in 2 minutes.
- Give 3 hours protection preventing the passage of smoke and gases.
- Temperature increase insulated for 22 minutes.
- May be used in high humidity.









Code	Size
Rytons ACFIRE	118mm Dia. x 43mm D
Rytons TL8FIRE	206mm L x 58mm H x 44mm D
Rytons TL16FIRE	206mm L x 124mm H x 44mm D

# Rytons 125mm RytHose Range Flexible Ducting

## Main Uses, Features and Benefits

## Order and Specification Code

## Size



	Rytons 125mm Diameter RytHose		
	<ul style="list-style-type: none"> <li>● Multi-purpose flexible ducting for low pressure venting.</li> <li>● Static working temperature from -5°C to 60°C.</li> <li>● Manufactured from flame retardant PVC film.</li> <li>● Easily fitted to round connectors.</li> <li>● May be used in conjunction with tumble dryers and domestic fans for bathroom and kitchen ventilation.</li> </ul> 	Rytons FDUCT53M Rytons FDUCT56M	125mm Dia. x 3m L 125mm Dia. x 6m L
	<h3>Rytons Rectangular RytHose</h3> <ul style="list-style-type: none"> <li>● Multi-purpose flexible ducting for low pressure venting.</li> <li>● Static working temperature from -5°C to 60°C.</li> <li>● Manufactured from flame retardant PVC film.</li> <li>● Easily fitted to rectangular connectors.</li> </ul> 	Rytons FRD51M	206mm W x 62mm H x 1m L
	<h3>Rytons Fire Resistant RytHose</h3> <ul style="list-style-type: none"> <li>● Flexible and robust aluminium ducting suitable for use with mechanical air ventilation and air conditioning systems.</li> <li>● Approved fire resistance of at least 15 minutes.</li> <li>● In case of fire no poisonous gases are released.</li> <li>● Approved to M1 fire standard.</li> <li>● Lightweight and easily fitted to round connectors.</li> <li>● Static working temperature from -30°C to 140°C.</li> <li>● Maximum air velocity 30m/sec.</li> <li>● Maximum working pressure 2500 Pa.</li> </ul> 	Rytons FAD510M	125mm Dia. x 10m L

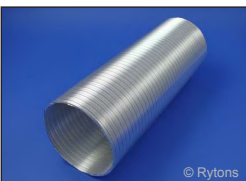

# Rytons 125mm RytHose Range Flexible Ducting

## Main Uses, Features and Benefits

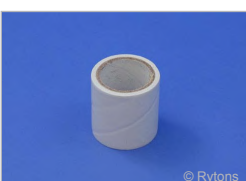
## Order and Specification Code

## Size

	Rytons Thermal RytHose		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Fully flexible insulated aluminium ducting.</li> <li>Choice of 25mm and 50mm thick insulation.</li> <li>For use in installations where condensation is a concern i.e. if duct runs through a cold roof space.</li> <li>Approved fire resistance of 30 mins integrity and 17 mins insulation.</li> <li>Easily fitted to round connectors.</li> <li>Static working temperature from -30°C to 140°C.</li> <li>Maximum air velocity 30m/sec.</li> <li>Maximum working pressure 2000 Pa.</li> <li>25mm insulation density 16 kg/m<sup>3</sup>.</li> <li>50mm insulation density 16 kg/m<sup>3</sup>.</li> </ul> 	<p><b>25mm Insulation</b> Rytons FDThER510</p> <p><b>50mm Insulation</b> Rytons FDThER50510</p>	<p><b>25mm Insulation</b> 125mm Int. Dia. x 10m L</p> <p><b>50mm Insulation</b> 125mm Int. Dia. x 10m L</p>

	Rytons Semi Rigid Aluminium RytHose		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>Robust aluminium ducting suitable for use with mechanical ventilation and air conditioning systems.</li> <li>Suitable for direct ventilation to solid fuel stoves.</li> <li>Approved to M1 fire standard.</li> <li>Static working temperature from -30°C to 250°C.</li> <li>Maximum air velocity 30m/sec.</li> <li>Maximum working pressure +10000 Pa.</li> </ul> 	<p>Rytons FSRA51.5M</p>	<p>127mm Dia. x 1.5m L</p>

	Rytons RytHose Clips		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>125mm Dia. Round Clip.</li> <li>125mm Dia. Jubilee Clip.</li> </ul>	<p>Rytons FD5CLIP Rytons JCLP125</p>	<p>125mm Dia. 125mm Dia.</p>

	Rytons White Sealing Tape		
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>White PVC sealing tape for use with ducting and connectors.</li> <li>Suitable for working temperatures -20°C to 60°C.</li> </ul>	<p>Rytons TAPE4.6M</p>	<p>50mm W x 4.6m L</p>

# Technical Data

Description	Code	Free Area	Static Pressure Drop in Pascals (Pa)		
			15 l/s	30 l/s	60 l/s
Rytons Flat Channel Duct (1m L)	RD51M	11452mm <sup>2</sup>	0.54	1.97	7.21
Rytons Flat Channel Connector	RD5C		0.10	0.29	1.06
Rytons 90° Vertical Bend	RD5V90		1.14	4.52	17.94
Rytons 90° Horizontal Bend	RD5H90		1.82	7.46	30.60
Rytons 45° Horizontal Bend	RD5H45		0.55	2.71	13.22
Rytons 90° Rotating Elbow Bend	RD5EB		1.60	6.28	24.69
Rytons Flat Channel Horizontal Adaptor	RD5FR		0.96	3.84	15.41
Rytons Rigid Pipe (1m L)	RD51RND	12273mm <sup>2</sup>	0.20	0.70	1.90
Rytons Pipe/Hose Connector	RD5CONN		0.20	0.90	4.30
Rytons 90° Elbow Pipe Connector	RD5PC		2.00	8.40	34.90
Rytons 45° Elbow Pipe Connector	RD545PC		0.70	2.90	12.20
Rytons 3 Way T Piece	RD5TRND		Figures vary on installation		
Rytons 150mm to 125mm Reducer	RD5REDUC		0.60	2.20	8.80
Rytons Multifix® Air Brick with Flat Channel Ducting Adaptor	RD5MFAB	7750mm <sup>2</sup>			
Rytons Gravity Grille	RD5GG	11600mm <sup>2</sup>	6.43	9.91	11.25
Rytons Cowled Grille	RD5CG	6560mm <sup>2</sup>	5.24	19.83	74.99
Rytons RytAround Ventilator (without flyscreen)	CV60FBG	7618mm <sup>2</sup>			
Rytons RytAround Ventilator (with flyscreen)	CV60FBG	4641mm <sup>2</sup>			
Rytons '6x6' Louvre & 122mm Dia. Backplate	RD5LVBG	10360mm <sup>2</sup>			
Rytons '6x6' Louvre with Flyscreen & 122mm Dia. Backplate	RD5FLVBG	6423mm <sup>2</sup>			
Rytons 125mm AirCore® Intumescent RytBlock	ACFIRE	5150mm <sup>2</sup>			
Rytons '9x3' Intumescent RytBlock	TL8FIRE	5330mm <sup>2</sup>			
Rytons '9x6' Intumescent RytBlock	TL16FIRE	13390mm <sup>2</sup>			

## Composition

Flame-retardant material conforms to a minimum to DIN41092 B1, UL94 V-2 and in some cases UL94 V-1.  
 If the flame was removed from the product it would stop burning as the material is self extinguishing.  
 If tested products would pass to the standard of UL94 V-0.

## NBS Plus Clause References



U80 - 535  
 U90 - 425

Insert Rytons NBS Plus data straight into your project specifications free of charge at [www.vents.co.uk](http://www.vents.co.uk).

# Technical Data

## Rytons Acoustic Flat Channel Duct

Rytons Acoustic Flat Channel Duct - Sound Absorption (dB)								
Duct Length	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
500mm	-1	-3	5	6	12	18	12	9
1m	-1	0	11	12	13	37	23	15
1.5m	5	6	16	20	32	47	35	20

Rytons Acoustic Flat Channel Duct - Static Pressure Drop in Pascals (Pa) v Flow Rate (l/s)							
Approx l/s:		15	30	60	90	120	150
<b>RD5AD05M</b>	<b>Pa</b>	10.5	18.5	100	213	371	576
<b>RD5AD1M</b>	<b>Pa</b>	10.4	17.2	107	234	373	578
<b>RD5AD1.5M</b>	<b>Pa</b>	8.2	23.5	107	230	412	595

Tests carried out by the Sound Research Laboratory

## Frequently Asked Questions

### Which size acoustic duct should I use?

The size of Acoustic Flat Channel Duct needed will be determined by the performance required for the installation and/or what size the designer or architect may have specified.

### Should all the flat channel ducting in the system be acoustic?

Install Acoustic Flat Channel Duct close to the noise source you are trying to reduce i.e. close to a fan, heat recovery unit or near an external outlet. Any other flat channel ducting connections may then be our standard, un-silenced, type.

### Is flexible ducting compatible?

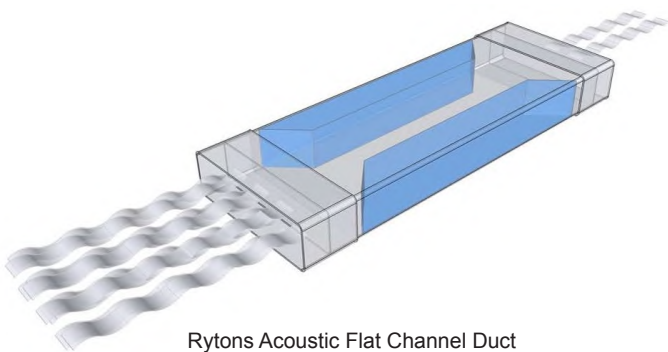
You can use flexible ducting but it is advisable to use rigid ducting wherever possible. Flexible ducting can inhibit the air flow and performance of the whole ducting system.

### Can the acoustic duct be connected to 100mm/150mm range components?

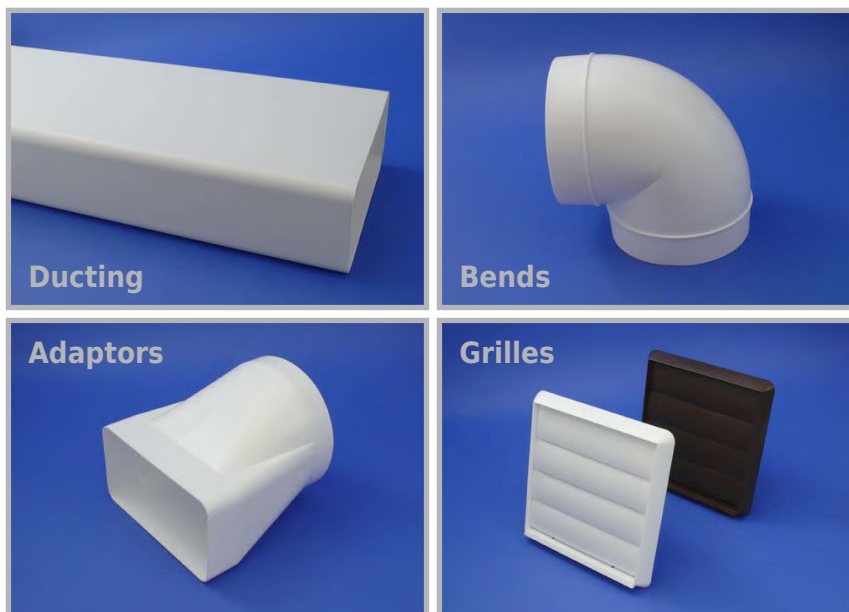
We do not recommend connecting the Acoustic Flat Channel Duct to any components outside of the 125mm (5") range. Connecting to different size components may inhibit the air flow performance and alter the noise reduction rates.

### Will the acoustic foam trap/hold damp or food odours?

We do not believe that the Acoustic Flat Channel Duct will trap/hold damp or food odours any more than our standard, un-silenced, ducting.



## Rytons 150mm (180mm x 90mm) RytDuct® Range Flat Channel Ducting and Components




# Rytons 150mm (180mm x 90mm) RytDuct® Range

For use in conjunction with high volume cooker hoods with a maximum output of 750m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD61M</b> 	<b>Rytons Flat Channel Duct</b> <ul style="list-style-type: none"> <li>Compatible with components RD6C, RD6CLIP, RD6V90, RD6H90, RD6EB, RD6FR and RD6WPR.</li> <li>Connects to RD6AB external grille.</li> </ul> 	Male component 180mm W x 90mm H overall ext. x 1m L	White
<b>Rytons RD6C</b> 	<b>Rytons Flat Channel Connector</b> <ul style="list-style-type: none"> <li>Push fit connection to Flat Channel Duct RD61M.</li> <li>Allows an extended run of ducting.</li> </ul> 	Female component	White
<b>Rytons RD6CLIP</b> 	<b>Rytons Flat Channel Duct Clip</b> <ul style="list-style-type: none"> <li>Clips onto Flat Channel Duct RD61M.</li> <li>Secures with screws to other surfaces.</li> </ul> 		Self colour metal
<b>Rytons RD6V90</b> 	<b>Rytons 90° Vertical Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD61M.</li> <li>Allows a 90° vertical change of direction.</li> </ul> 	Female component	White
<b>Rytons RD6H90</b> 	<b>Rytons 90° Horizontal Bend</b> <ul style="list-style-type: none"> <li>Connects to Flat Channel Duct RD61M.</li> <li>Allows a 90° horizontal change of direction.</li> </ul>	Female component	White
<b>Rytons RD6EB</b> 	<b>Rytons 90° Elbow Bend</b> <ul style="list-style-type: none"> <li>Connects Flat Channel Duct RD61M to Rigid Pipe RD636RND with a 90° bend.</li> <li>Use with Threaded Hose Connector RD6HC to connect 150mm dia. RytHose range.</li> </ul>	Female component with male spigot 150mm Ext. Dia. x 40mm D	White




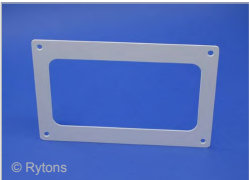
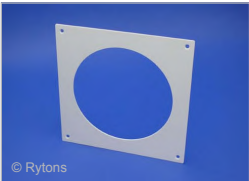

# Rytons 150mm (180mm x 90mm) RytDuct® Range

For use in conjunction with high volume cooker hoods with a maximum output of 750m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
<b>Rytons RD6FR</b> 	<b>Rytons Flat Channel Horizontal Adaptor</b> <ul style="list-style-type: none"> <li>Connects appliance to Flat Channel Duct RD61M.</li> <li>Use with RD6CONN to connect to Rigid Pipe RD636RND.</li> </ul>	Female component with female collar 150mm Int. Dia. x 25mm D	White
<b>Rytons RD636RND</b> 	<b>Rytons Rigid Pipe</b> <ul style="list-style-type: none"> <li>Connects directly to grilles RD6GG, RD6LGSS, RD6MGSS, CV60FBG, RD6LVBG and RD6FLVBG.</li> <li>Use RD6CONN and RD6FR to connect to Flat Channel Duct RD61M.</li> <li>Compatible with components RD6EB, RD6CONN, FD6CLIP, RD6PC, RD6TRND and RD6WPC.</li> </ul> 	Female component 150mm Int. Dia. 155mm Ext. Dia. x 360mm L	White
<b>Rytons RD6CONN</b> 	<b>Rytons Pipe/Hose Connector</b> <ul style="list-style-type: none"> <li>Push fit connection to Rigid Pipe RD636RND.</li> <li>Allows an extended run of ducting.</li> </ul> 	Male component	White
<b>Rytons FD6CLIP</b> 	<b>Rytons Round Clip</b> <ul style="list-style-type: none"> <li>Clips onto Rigid Pipe RD636RND and 150mm dia. RytHose range.</li> <li>Secures with screws to other surfaces.</li> </ul> 		White
<b>Rytons RD6PC</b> 	<b>Rytons 90° Elbow Pipe Connector</b> <ul style="list-style-type: none"> <li>Allows a 90° change of direction.</li> <li>Connects to Rigid Pipe RD636RND and suits 150mm dia. RytHose range (or use RD6HC).</li> </ul>	Male component	White
<b>Rytons RD6TRND</b> 	<b>Rytons 3 Way T Piece</b> <ul style="list-style-type: none"> <li>Allows a 90° vertical or horizontal change of direction.</li> <li>Connects to Rigid Pipe RD636RND and suits 150mm dia. RytHose range (or use RD6HC).</li> <li>Use Horizontal Adaptor RD6FR to connect to Flat Channel Duct RD61M.</li> </ul>	Male component with spigots 150mm Ext. Dia. x 30mm D	White




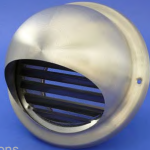











# Rytons 150mm (180mm x 90mm) RytDuct® Range

For use in conjunction with high volume cooker hoods with a maximum output of 750m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD46REDUC	<p><b>Rytons 150mm to 100mm Reducer</b></p> <ul style="list-style-type: none"> <li>Reduces 150mm dia. ducting to fit 100mm dia. components.</li> <li>Use with adaptor RD4FR to connect to Flat Channel Duct RD4/M.</li> <li>100mm spigot compatible with 100mm dia. Rigid Pipe RD4/RND and suits 100mm dia. RytHose range (or use RD4HCF).</li> <li>Use RD6CONN to connect 150mm collar to 150mm dia. Rigid Pipe RD636RND.</li> </ul> 	<p><b>100mm male spigot:</b> 100mm Ext. Dia. x 22mm D</p> <p><b>150mm female collar:</b> 150mm Int. Dia. x 22mm D</p>	White
Rytons RD5REDUC	<p><b>Rytons 150mm to 125mm Reducer</b></p> <ul style="list-style-type: none"> <li>Reduces 150mm dia. ducting to fit 125mm dia. components.</li> <li>Use with RD5FR to connect to Flat Channel Duct RD51M.</li> <li>125mm spigot compatible with 125mm Dia. Rigid Pipe RD51RND and suits 125mm dia. RytHose range (or use RD5HC).</li> <li>Use RD6CONN to connect 150mm collar to 150mm dia. Rigid Pipe RD636RND.</li> </ul> 	<p><b>125mm male spigot:</b> 125mm Ext. Dia. x 23mm D</p> <p><b>150mm female collar:</b> 150mm Int. Dia. x 23mm D</p>	White
Rytons RD6HC	<p><b>Rytons Threaded Hose Connector (Female)</b></p> <ul style="list-style-type: none"> <li>Screw thread connects to 150mm dia. RytHose range.</li> <li>Compatible with components RD6CONN, RD6EB, RD6PC and RD6TRND.</li> <li>Use RD6CONN to connect to 150mm dia. Rigid Pipe RD636RND.</li> <li>Will attach directly to grilles RD6GG, RD6LGSS, RD6MGSS, CV60FBG, RD6LV and RD6FLVBG.</li> </ul> 	<p>Female component with female spigot 150mm Ext. Dia. x 25mm D</p> <p>Hose connector: 159mm Ext. Dia x 30mm D</p>	White
Rytons RD6WPR	<p><b>Rytons Rectangular Wall Plate</b></p> <ul style="list-style-type: none"> <li>Plate to make good internal surface by covering damage caused by drilling.</li> <li>Aperture accommodates Flat Channel Duct RD61M.</li> </ul> 	<p>229mm L x 150mm H with 190mm L x 100mm H aperture</p>	White
Rytons RD6WPC	<p><b>Rytons Circular Wall Plate</b></p> <ul style="list-style-type: none"> <li>Plate to make good internal surface by covering damage caused by drilling.</li> <li>Aperture accommodates any 150mm dia. rigid or flexible ducting.</li> </ul> 	<p>227mm L x 227mm H with 158mm Dia. aperture</p>	White
Rytons RD6AB	<p><b>Rytons Air Brick Grille with Damper</b></p> <ul style="list-style-type: none"> <li>External grille-style air brick with damper which opens when appliance is in operation.</li> <li>Push fit connection to Flat Channel Duct RD61M.</li> <li>U.V. stabilised to slow down the effects of sunlight.</li> </ul> 	<p>220mm L x 123mm H</p>	<p>Terracotta, buff/sand, white*, brown*</p> <p>* To order</p>

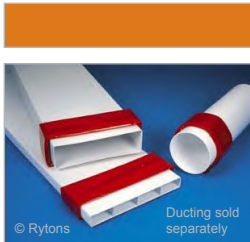
# Rytons 150mm (180mm x 90mm) RytDuct® Range

For use in conjunction with high volume cooker hoods with a maximum output of 750m<sup>3</sup> per hour.  
Suitable for working temperatures -20°C to 60°C.

Order and Specification Code	Main Uses, Features and Benefits	Size	Colours
Rytons RD6GG	Rytons Gravity Grille	175mm L x 175mm H x 16mm D with 150mm Dia. male spigot.	White, brown, terracotta*, buff/sand*
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Low profile gravity grille with spigot for rigid pipe and flexible ducting.</li> <li>● Gravity flaps open when appliance is in operation.</li> <li>● Connects to Rigid Pipe RD636RND and suits 150mm dia. RytHose range (or use RD6HC).</li> <li>● Use RD6CONN and RD6FR to connect to Flat Channel Duct RD61M.</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>  		* To order
Rytons RD6LGSS	Rytons Stainless Steel Cowled Louvred Grille	145mm Dia. male spigot 213mm Dia. flange x 100mm D	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with fixed open louvres and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD636RND and suits 150mm dia. RytHose range (or use RD6HC).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		
Rytons RD6MGSS	Rytons Stainless Steel Cowled Meshed Grille	145mm Dia. male spigot 213mm Dia. flange x 100mm D	Stainless Steel
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Bull-nosed cowled vent with wire grille and spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD636RND and suits 150mm dia. RytHose range (or use RD6HC).</li> <li>● Durable and stylish alternative to a plastic grille.</li> </ul>		
Rytons CV60FBG	Rytons RytAround Ventilator	156mm Ext. Dia. x 13.5mm D	White
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Circular louvre grille with removable flyscreen.</li> <li>● Suits tubes / holes 100mm to 150mm diameter.</li> <li>● Fixed open <b>inverted</b> louvres allow high air flow.</li> <li>● Slim profile with a flush finish.</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> <li>● For internal and external use.</li> </ul>    <p><b>BBA</b> APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 11/4886 Product Sheet 1</p>		
Rytons RD6LVBG	Rytons '7x7' Louvre & 144mm Dia. Backplate	177mm L x 173mm H with 144mm Dia. male spigot.	White, terracotta, buff/sand
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Fixed open louvre grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD636RND and 150mm dia. RytHose range (or use RD6HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>  		
Rytons RD6FLVBG	Rytons '7x7' Louvre with Flyscreen & 144mm Dia. Backplate	177mm L x 173mm H with 144mm Dia. male spigot.	White, terracotta, buff/sand grille
 <p>© Rytons</p>	<ul style="list-style-type: none"> <li>● Fixed open flyscreened louvre grille with spigot for rigid pipe and flexible ducting.</li> <li>● Connects to Rigid Pipe RD636RND and 150mm dia. RytHose range (or use RD6HC).</li> <li>● U.V. stabilised to slow down the effects of sunlight.</li> </ul>  		Black flyscreen

# Rytons Intumescent Firewraps and Firecuffs for 150mm (180mm x 90mm) Ducting Range

## Main Uses, Features and Benefits



### Rytons 150mm Firewrap

- Intumescent wraps suitable for use with Rytons Flat Channel Duct RD61M and Rigid Pipe RD636RND.
- In the event of a fire the wrap expands crushing the ventilation duct, sealing it against the fire.
- Gives 2 hours protection preventing the passage of smoke and gases (tested to BS476 Parts 20 and 22).
- Plastic casing surrounds and protects internal intumescent felt strips.
- Commences action at 180-200°C, has a 17 x free expansion rate with a 10 bar pressure generation force.

#### Installation

Wrap the firewrap around the outside of the duct and secure with the fixing tape.

#### Important Note

Ensure firewrap is surrounded by external brickwork or blockwork. Do not use in plasterboard structures without surrounding it with a Firewrap Sleeve (see below for details).



Code	Size	Compatible with
Rytons FW61M	180mm W x 90mm H	Rytons Flat Channel Duct RD61M
Rytons FW150	150mm Diameter	Rytons Rigid Pipe RD635RND



### Rytons 150mm Firewrap Sleeve

- A metal sleeve to cover rectangular firewrap when used in stud and plasterboard walls.



Code	Size	Compatible with
Rytons FWS61M	180mm W x 90mm H	Rytons Firewrap FW61M



### Rytons 100mm Firecuff

- Circular intumescent cuff installed with extractor fans or vents when fitted in fire rated ceilings.
- In the event of a fire the cuff expands inwards and crushes the spigot of the fan or vent sealing the duct against the passage of fire, smoke and gases.
- Gives 36 minutes effective protection for a 30 minute rated timberboard or plasterboard ceiling.
- Gives 72 minutes effective protection for a 60 minute rated timberboard or plasterboard ceiling.
- Complies with The Building Regulations Approved Document B and tested to BS476 Part 21.



Code	Size	Compatible with
Rytons FC150	150mm Diameter	Rytons grilles RD6LVBG and RD6FLVBG

Rytons Intumescent Firewraps and Firecuffs are available to order, please contact Rytons Sales Office on 01536 511874 for current lead times.



### Rytons Intumescent RytBlock Range

- Heavy duty intumescent grilles for walls and ducts.
- Slats fuse together and seal in 2 minutes.
- Give 3 hours protection preventing the passage of smoke and gases.
- Temperature increase insulated for 22 minutes.
- May be used in high humidity.





Code	Size
Rytons ACFIRE	118mm Dia. x 43mm D
Rytons TL8FIRE	206mm L x 58mm H x 44mm D
Rytons TL16FIRE	206mm L x 124mm H x 44mm D



# Rytons 150mm RytHose Range Flexible Ducting



## Main Uses, Features and Benefits

## Order and Specification Code

## Size

Rytons 150mm Diameter RytHose								
	<ul style="list-style-type: none"> <li>● Multi-purpose flexible ducting for low pressure venting.</li> <li>● Static working temperature from -5°C to 60°C.</li> <li>● Manufactured from flame retardant PVC film.</li> <li>● Easily fitted to round connectors.</li> <li>● May be used in conjunction with tumble dryers and domestic fans for bathroom and kitchen ventilation.</li> </ul>	<table border="1"> <tr> <td>Rytons FDUCT63M</td> <td>150mm Dia. x 3m L</td> </tr> <tr> <td>Rytons FDUCT66M</td> <td>150mm Dia. x 6m L</td> </tr> <tr> <td>Rytons FDUCT615</td> <td>150mm Dia. x 15m L</td> </tr> </table>	Rytons FDUCT63M	150mm Dia. x 3m L	Rytons FDUCT66M	150mm Dia. x 6m L	Rytons FDUCT615	150mm Dia. x 15m L
Rytons FDUCT63M	150mm Dia. x 3m L							
Rytons FDUCT66M	150mm Dia. x 6m L							
Rytons FDUCT615	150mm Dia. x 15m L							
								

Rytons Fire Resistant RytHose				
	<ul style="list-style-type: none"> <li>● Flexible and robust aluminium ducting suitable for use with mechanical air ventilation and air conditioning systems.</li> <li>● Approved fire resistance of at least 15 minutes.</li> <li>● In case of fire no poisonous gases are released.</li> <li>● Approved to M1 fire standard.</li> <li>● Lightweight and easily fitted to round connectors.</li> <li>● Static working temperature from -30°C to 140°C.</li> <li>● Maximum air velocity 30m/sec.</li> <li>● Maximum working pressure 2500 Pa.</li> </ul>	<table border="1"> <tr> <td>Rytons FAD610M</td> <td>150mm Dia. x 10m L</td> </tr> </table>	Rytons FAD610M	150mm Dia. x 10m L
Rytons FAD610M	150mm Dia. x 10m L			
				

Rytons Thermal RytHose						
	<ul style="list-style-type: none"> <li>● Fully flexible insulated aluminium ducting.</li> <li>● Choice of 25mm and 50mm thick insulation.</li> <li>● For use in installations where condensation is a concern i.e. if duct runs through a cold roof space.</li> <li>● Approved fire resistance of 30 mins integrity and 17 mins insulation.</li> <li>● Easily fitted to round connectors.</li> <li>● Static working temperature from -30°C to 140°C.</li> <li>● Maximum air velocity 30m/sec.</li> <li>● Maximum working pressure 2000 Pa.</li> <li>● 25mm insulation density 16 kg/m<sup>3</sup>.</li> <li>● 50mm insulation density 16 kg/m<sup>3</sup>.</li> </ul>	<table border="1"> <tr> <td><b>25mm Insulation</b> Rytons FDOTHER610</td> <td><b>25mm Insulation</b> 150mm Int. Dia. x 10m L</td> </tr> <tr> <td><b>50mm Insulation</b> Rytons FDOTHER50610</td> <td><b>50mm Insulation</b> 150mm Int. Dia. x 10m L</td> </tr> </table>	<b>25mm Insulation</b> Rytons FDOTHER610	<b>25mm Insulation</b> 150mm Int. Dia. x 10m L	<b>50mm Insulation</b> Rytons FDOTHER50610	<b>50mm Insulation</b> 150mm Int. Dia. x 10m L
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<b>50mm Insulation</b> Rytons FDOTHER50610	<b>50mm Insulation</b> 150mm Int. Dia. x 10m L					
						

# Rytons 150mm RytHose Range Flexible Ducting

## Main Uses, Features and Benefits

## Order and Specification Code

## Size

	Rytons Semi Rigid Aluminium RytHose	Rytons FSRA61.5M	152mm Dia. x 1.5m L
	<ul style="list-style-type: none"> <li>● Robust aluminium ducting suitable for use with mechanical ventilation and air conditioning systems.</li> <li>● Suitable for direct ventilation to solid fuel stoves.</li> <li>● Approved to M1 fire standard.</li> <li>● Static working temperature from -30°C to 250°C.</li> <li>● Maximum air velocity 30m/sec.</li> <li>● Maximum working pressure +10000 Pa.</li> </ul> 		
	Rytons RytHose Clips	Rytons FD6CLIP Rytons JCLP150	150mm Dia. 150mm Dia.
	<ul style="list-style-type: none"> <li>● 150mm Dia. Round Clip.</li> <li>● 150mm Dia. Jubilee Clip.</li> </ul>		
	Rytons White Sealing Tape	Rytons TAPE4.6M	50mm W x 4.6m L
	<p>White PVC sealing tape for use with ducting and connectors. Suitable for working temperatures -20°C to 60°C.</p>		

# Technical Data

Description	Code	Free Area	Static Pressure Drop in Pascals (Pa)		
			15 l/s	30 l/s	60 l/s
Rytons Flat Channel Duct (1m L)	RD61M	16233mm <sup>2</sup>	0.19	0.62	2.01
Rytons Flat Channel Connector	RD6C		0.12	0.38	1.21
Rytons 90° Vertical Bend	RD6V90		0.36	1.13	3.53
Rytons 90° Horizontal Bend	RD6H90		0.68	2.52	9.32
Rytons 90° Elbow Bend	RD6EB		0.68	2.79	11.48
Rytons Flat Channel Horizontal Adaptor	RD6FR		0.21	0.85	3.52
Rytons Pipe/Hose Connector	RD6CONN		0.10	0.20	1.10
Rytons 90° Elbow Pipe Connector	RD6PC		1.00	4.20	18.20
Rytons 3 Way T Piece	RD6TRND		Figures vary on installation		
Rytons Air Brick Grille with Damper	RD6AB	6313mm <sup>2</sup>	17.33	25.49	72.67
Rytons Gravity Grille	RD6GG	16000mm <sup>2</sup>	6.91	8.76	11.10
Rytons RytAround Ventilator (without flyscreen)	CV60FBG	8900mm <sup>2</sup>			
Rytons RytAround Ventilator (with flyscreen)	CV60FBG	6062mm <sup>2</sup>			
Rytons '7x7' Louvre & 144mm Dia. Backplate	RD6LVBG	11995mm <sup>2</sup>			
Rytons '7x7' Louvre with Flyscreen & 144mm Dia. Backplate	RD6FLVBG	11000mm <sup>2</sup>			
Rytons 125mm AirCore® Intumescent RytBlock	ACFIRE	5150mm <sup>2</sup>			
Rytons '9x3' Intumescent RytBlock	TL8FIRE	5350mm <sup>2</sup>			
Rytons '9x6' Intumescent RytBlock	TL16FIRE	13390mm <sup>2</sup>			

## Composition

Flame-retardant material conforms to a minimum to DIN41092 B1, UL94 V-2 and in some cases UL94 V-1.  
 If the flame was removed from the product it would stop burning as the material is self extinguishing.  
 If tested products would pass to the standard of UL94 V-0.

## NBS Plus Clause References



U80 - 535  
 U90 - 425

Insert Rytons NBS Plus data straight into your project specifications free of charge at [www.vents.co.uk](http://www.vents.co.uk).

# Rytons Insulated Ducting

A range of ducting and components pre-insulated with a thin, lightweight Ufoil™ insulation offering the thermal equivalent to 40mm of mineral wool insulation but without the bulk.

Use in cold areas to protect against condensation and as an alternative to flexible insulated hose.

Suitable for cooker hood and wet area extraction in kitchens, bathrooms and showers and whole house balanced mechanical supply and extraction systems with Heat Recovery.

<b>90° Horizontal Bend</b>	<b>Rytons 100mm (110mm x 54mm) Range of Insulated Ducting and Components</b>
	Flat Channel Duct 110mm W x 54mm H (1m, 1.5m and 2m L)
	90° Vertical Bend
	45° Vertical Bend
	90° Horizontal Bend
	45° Horizontal Bend
	Flat Channel T Piece
<b>Rigid Pipe</b>	100mm Dia. Rigid Pipe (1m, 1.5m and 2m L)
	90° Pipe Connector
	45° Pipe Connector
	3 Way T Piece
	<b>Rytons 125mm (204mm x 60mm) Range of Insulated Ducting and Components</b>
	Flat Channel Duct 204mm W x 60mm H (1m, 1.5m and 2m L)
	90° Vertical Bend
	45° Vertical Bend
	90° Horizontal Bend
	45° Horizontal Bend
	Flat Channel T Piece
<b>90° Pipe Connector</b>	125mm Dia. Rigid Pipe (1m, 1.5m and 2m L)
	90° Pipe Connector
	45° Pipe Connector
	3 Way T Piece
	<b>Rytons 150mm (180mm x 90mm) Range of Insulated Ducting and Components</b>
	150mm Dia. Rigid Pipe (1m, 1.5m and 2m L)
	90° Pipe Connector
	3 Way T Piece

**Rytons Insulated Ducting is available to order, please contact Rytons Sales Office on 01536 511874 for current lead times.**

**Composition**  
 Ufoil™ is a high performance insulation material made up of a single layer of polyethylene bubble covered by a layer of 12 micron aluminium foil and protected with a NC coating to give it durability and resistance to corrosion.

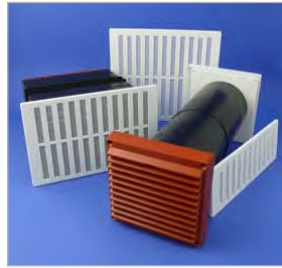


# Rytons Product Guides, Technical Data Sheets and AutoCAD Drawings

## Rytons Acoustic Ventilators



## Rytons Background Ventilators



## Rytons Boiler, Stove and Fire Ventilators



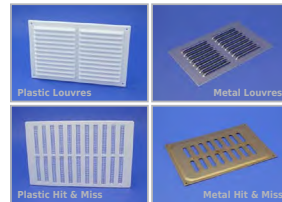
## Rytons Roof Ventilators



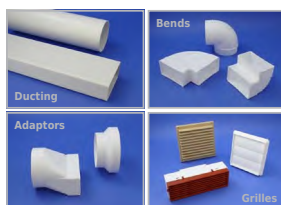
## Rytons Cavity Vents & Flood Protection



## Rytons Louvre and Hit & Miss Ventilators



## Rytons RytDuct® Flat Channel Ducting



## Rytons RytHose Flexible Ducting



Product Guides are available to download free of charge at:  
**[www.vents.co.uk/  
productguides.asp](http://www.vents.co.uk/productguides.asp)**

### Technical Data Sheets

Available to download free of charge at **[www.vents.co.uk](http://www.vents.co.uk)**. Alternatively, they are available by email, fax or post, contact us on **01536 511874** or email **[lit@rytons.com](mailto:lit@rytons.com)** with your request.

### AutoCAD drawings

Available for the majority of products by email, fax or post, call us on **01536 511874** or email **[lit@rytons.com](mailto:lit@rytons.com)** with your request.

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Please feel free to call or email us with your quotes, questions or queries.

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