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INNOVATION IN VENTILATION
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GB
Manufacturer

Approvals, Choice and Quality

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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.

Can't find the Size, Colour or Finish you Require?

Call 01536 511874 and talk to Rytons Sales Office about colour matching and specials. Most of Rytons external cowls, grilles and all Multifix® Air Bricks are available to order in non-standard colours, choosing from either a standard Rytons colour or supplying a RAL number.

Standard Colours



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. Live NBS Plus data is also available to paste straight into your project specification, free of charge, from **www.vents.co.uk**.

Environmental Policy

Where practicable, and where the product quality can be maintained, Rytons 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 unnecessarily bulky product literature, information is available in a variety of paper free formats.



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.

Rytons Building Products Ltd Design House, Kettering Business Park, Kettering, NN15 6NL
T: 01536 511874 F: 01536 310455 E: admin@rytons.com Online: www.vents.co.uk

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All Rytons products are neither hazardous to health nor harmful to the environment when used correctly. Rytons reserve the right to improve specifications from time to time without prior notice. All information is given in good faith and to the best of our knowledge is true and accurate. Since delivery dates, the use of products and control of the labour involved is outside our control, no warranty is given nor should Rytons representatives or agents imply any warranty. Customers should also satisfy themselves that the products are suitable for the intended purpose.

Calls to and from Rytons are recorded to help us maintain and improve our service.

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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



Ventilating Heat Producing Appliances ... Don't Take a Chance!

Carbon Monoxide (CO) – you can't taste it, smell it or see it but it is a highly poisonous gas and undetected it can and *has* caused death and lasting health problems. CO forms when a fuel-burning appliance has an insufficient air supply – any fuel (gas, oil, coal, wood) any appliance (boiler, stove, room heater, water heater).

Sufficient and efficient ventilation is paramount to safe combustion. Rytons believe manufacturers have an absolute responsibility for providing accurate and **verifiable** air space calculations for their products. Taking the lead **all** Rytons through-wall appliance ventilators are independently tested by Advantica (previously known as British Gas Technologies and now GL Industrial Services) or the BRE (Building Research Establishment) and have an **equivalent free area** calculation as opposed to just a *free area*, which is simply a physical measurement and found by British Standards to be inaccurate in many instances.

HETAS agrees telling Rytons "It is very important to select the correct vent for the job. This means the actual air that can be provided through the vent in order to meet the requirements of Building Regulations and Standards. Installers should take care to ensure they are using a ventilator with an air provision based on 'Equivalent Area' rather than "Free Area". We are supportive of manufacturers who provide the right information with their products in order to assist our engineers in making the right choices."



Jim Lambeth, Technical Manager for the Solid Fuel Association told Rytons, "What is important to note is the actual air which can be transported through the vent not its physical size. Installers should take care to ensure they note the ventilator's 'Equivalent Area', sometimes also known as 'Effective Free Area', rather than simply 'Free Area' often quoted in sales literature."

Once installed it is essential that the ventilators remain clear, however with energy prices so high there may be a temptation to block the vents to keep the house warm. Rytons internal and external grilles are stamped with DO NOT BLOCK as a reminder to homeowners, and ventilation sets are offered with a wide range of cowls and internal baffle systems to alleviate draughts and keep the atmosphere comfortable.

Rytons aim is to make their ventilators as unobtrusive as possible with sets available in two styles (127mm and 151mm dia. AirCores® for retrofit installations and '9x3', '9x6' and '9x9' AirLiner® Sets for new build) and a choice of external grille to maintain the aesthetic appearance.



Rytons is proud to have 28 through-wall appliance ventilation sets approved by HETAS for use with solid fuel. These are the only products on the market with HETAS approval and the **only** ventilators recommended by HETAS to their registered engineers. Many also have BBA (British Board of Agrément) approval - independent assurances that products perform.

Other preventative steps recommended by the Carbon Monoxide – Be Alarmed! campaign

- Fit an audible alarm
- Have your appliance checked regularly
- Note any signs of change around your appliance
- Learn to recognise the symptoms of CO poisoning



For more information see www.co-bealarmed.co.uk

Should you have any queries or concerns regarding any of the information contained within this article please do not hesitate to contact Rytons technical team on 01536 511874 or email admin@rytons.com.

Approvals & Testing ... What does it mean?

British Board of Agrément (BBA)

The main function of the BBA is to evaluate innovative building products and award its Agrément certificates to those that are fit for their intended purpose. Regular manufacturing checks ensure each product is of a consistent quality for assured performance. BBA approved products are accepted by the NHBC, building control officers, architects, engineers and surveyors nationwide.



Recognisable by the BBA logo Rytons is proud to have many ventilators for heat producing appliances BBA approved, with new ranges pending approval in the future.

HETAS

HETAS is the official body recognised by the government to approve solid fuel domestic heating appliances, fuels and services. Work undertaken by HETAS is varied and wide ranging from promoting and monitoring the safe installation and use of fuels and appliances to influencing legislation, regulations and policies which affect the solid fuel industry.

Rytons is pleased to be the **only** ventilation manufacturer to have ventilators for solid fuel appliances approved by HETAS, each one recognisable by the HETAS approval logo, and be the **only** ventilation manufacturer recommended by HETAS to their registered engineers.



The Building Research Establishment (BRE)



The BRE is a world class testing authority offering an extensive range of services covering every aspect of the built environment. BRE Acoustics has tested Rytons entire range of acoustic ventilators using procedures accredited by UKAS with resulting test reports freely available online at www.vents.co.uk. Since 2006 Rytons has also commissioned the BRE to calculate the equivalent free area of their heat producing appliance and background ventilators giving installers, suppliers and homeowners the confidence that air space is **accurate** and **verifiable**.

Advantica

Advantica Technologies, previously known as British Gas Technologies and now GL Industrial Services, developed the dynamic test procedure for calculating the equivalent area of a ventilator after it was agreed that the previous system of simple physical measurement was unreliable and inaccurate in anti-draught ventilators due to the aerodynamic characteristics of the baffle systems, and a formal standard was required for manufacturers. Several Rytons ventilators are Advantica tested giving installers, suppliers and homeowners the assurance that the air space is **accurate** and **verifiable**.



Visit our website for: Technical Data Sheets,
Product Guides, BRE Acoustic Test Reports,
BBA Certificates and more.

T: +44 (0)1536 511874
F: +44 (0)1536 310455
E: admin@rytons.com
www.vents.co.uk

Quick view guide to Rytons Heat Producing Appliance and Room Ventilators

Rytons Product	Product Code	Equivalent Area	Page
Rytons 125mm AirCore®	AC10	10000mm ² (100cm ²)	6
Rytons Cowled 125mm AirCore®	AC10CWL	9300mm ² (93cm ²)	6
Rytons 125mm Baffled AirCore®	AC7	7300mm ² (73cm ²)	6
Rytons Cowled 125mm Baffled AirCore®	AC7CWL	6390mm ² (63.9cm ²)	6
Rytons 125mm High Rise AirCore®	ACH75	5500mm ² (55cm ²)	6
Rytons 150mm AirCore®	AC11	11500mm ² (115cm ²)	7
Rytons Cowled 150mm AirCore®	AC11CWL	10000mm ² (100cm ²)	7
Rytons 150mm Baffled AirCore®	AC9	9140mm ² (91.4cm ²)	7
Rytons Cowled 150mm Baffled AirCore®	AC9CWL	8455mm ² (84.55cm ²)	7
Rytons '9x3' Ventilation Set with Flush Louvre Ventilator	TCL8	5350mm ² (53.5cm ²)	8
Rytons '9x3' Cowled Ventilation Set with Flush Louvre Ventilator	TCL8CWL	5100mm ² (51cm ²)	8
Rytons '9x6' Ventilation Set with Flush Louvre Ventilator	TCL18	10700mm ² (107cm ²)	8
Rytons '9x6' Cowled Ventilation Set with Flush Louvre Ventilator	TCL18CW	9800mm ² (98cm ²)	8
Rytons '9x9' Ventilation Set with Louvre Ventilator	TCL20	16580mm ² (165.8cm ²)	8
Rytons '9x9' Cowled Ventilation Set with Louvre Ventilator	TCL20CW	14572mm ² (145.72cm ²)	8
Rytons Floor Ventilator with Brass Louvre	FV10BRAS	11000mm ² (110cm ²) *	9
Rytons Floor Ventilator with Chromed Louvre	FV10CHRO	11000mm ² (110cm ²) *	9
Rytons Acoustic Heat Producing Appliance and Room Ventilators can be found on pages 14 and 15			

* Free area measurement

Solid Fuel Appliances

Approved Document J, 2010 Air supply for appliances burning solid fuel (including solid biofuel) with a rated output up to 50kW

Appliance such as a stove, cooker or boiler, with a flue draught stabiliser:

- If design air permeability is more than 5.0m³/(h.m²) provide 300mm² per kW for the first 5kW of appliance rated output plus 850mm² per kW for the balance of appliance rated output.
- If design air permeability is less than or equal to 5.0m³/(h.m²) provide 850mm² per kW of appliance rated output.

Appliance such as a stove, cooker or boiler, without a flue draught stabiliser:

- If design air permeability is more than 5.0m³/(h.m²) provide 550mm² per kW of appliance rated output above 5kW.
- If design air permeability is less than or equal to 5.0m³/(h.m²) provide 550mm² per kW of appliance rated output.

Open fires

If the open fire were the simple inset type incorporating a throat-forming lintel or gather then the air requirement would be 50% of the cross-sectional area of the throat opening. If the open fire were the freestanding type, which does not incorporate a throat, then the air requirement would be 50% of the cross-sectional area of the flue.

Gas Appliances

Approved Document J, 2010 Air supply for gas burning appliances with a rated input up to 70kW (net)

Open-flued appliance in a room or space:

- If design air permeability is more than 5.0m³/(h.m²) provide 500mm² per kW Input above 7kW (net).
- If design air permeability is less than or equal to 5.0m³/(h.m²) provide 500mm² per kW Input (net).

For compartment ventilation and other requirements refer to Approved Document J.

BS 5871-3:2005 Decorative fuel effect gas appliances of heat input not exceeding 20 kW

Normally appliances covered by this standard will require purpose provided ventilation of 100cm² minimum. Manufacturers' instructions will detail exclusions to this standard.

"When is it proposed to use a proprietary ventilator with integral grilles to bridge a cavity wall, the equivalent area of the ventilator should be taken."

Approved Document J, 2010 edition

Note: It is unlikely that a dwelling constructed prior to 2008 will have air permeability of less than 5.0m³/(h.m²) at 50 Pa unless extensive measures have been taken to improve air-tightness. See Appendix F of Approved Document J.

Detailed guidance covering more specifications with examples is given in The Building Regulations, Approved Document J.



28



12



Rytons 125mm Dia. AirCores® for Heat Producing Appliance and Room Ventilation

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Equivalent Area	Colours	Approvals & Testing
Code: AC10 	Rytons 125mm AirCore® Combustion air vent for heat producing appliances. Provides 100cm² equivalent area. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Grilles: 166mm L x 160mm H	10000mm² 100cm²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see below)	  
Code: AC10CWL 	Rytons Cowled 125mm AirCore® Combustion air vent for heat producing appliances. External cowl reduces light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	9300mm² 93cm²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see below)	  
Code: AC7 	Rytons 125mm Baffled AirCore® Combustion air vent for heat producing appliances. Internal baffles reduce light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Grilles: 166mm L x 160mm H	7300mm² 73cm²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see below)	  
Code: AC7CWL 	Rytons Cowled 125mm Baffled AirCore® Combustion air vent for heat producing appliances. Cowl and internal baffles reduce light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	6390mm² 63.9cm²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see below)	  
Code: ACH75 	Rytons 125mm High Rise AirCore® Combustion air vent for heat producing appliances. Fitted from the inside for high level installations. Internal baffles reduce light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Int. Grille: 166mm L x 160mm H	5500mm² 55cm²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see below)	  
Codes: LV110GLD, LV110CHR 	Rytons Deep Profiled Louvre Ventilator '6x6' Plastic louvre grilles with quality gold and chrome effect finishes. Stylish alternative to a white internal grille. Features fixed open louvres for use with Rytons 125mm Dia. combustion air vents. Simple replacement for white internal grille supplied. Embossed with DO NOT BLOCK. For internal use only.	166mm L x 160mm H x 34mm D (inc. louvres)	10600mm² 106cm² new	Gold, Chrome	 Irish Reg. Stat.

Rytons 150mm Dia. AirCores® for Heat Producing Appliance and Room Ventilation

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Equivalent Area	Colours	Approvals & Testing
Code: AC11 	Rytons 150mm AirCore® Combustion air vent for heat producing appliances. Provides 115cm² equivalent area. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Grilles: 177mm L x 173mm H	11500mm² 115cm²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AC11CWL 	Rytons Cowled 150mm AirCore® Combustion air vent for heat producing appliances. Provides 100cm² equivalent area. External cowl reduces light and draughts. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	10000mm² 100cm²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AC9 	Rytons 150mm Baffled AirCore® Combustion air vent for heat producing appliances. Internal baffles reduce light and draughts. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Grilles: 177mm L x 173mm H	9140mm² 91.4cm²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AC9CWL 	Rytons Cowled 150mm Baffled AirCore® Combustion air vent for heat producing appliances. Cowl and internal baffles reduce light and draughts. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	8455mm² 84.55cm²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH	 











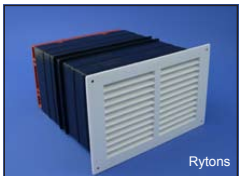




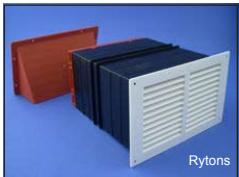




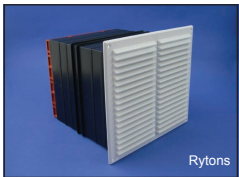



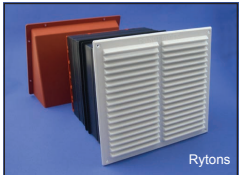



Don't Take A Chance!

Remember - sufficient and efficient ventilation is paramount
to safe combustion. Use only ventilators with a verifiable
equivalent area calculation.

www.vents.co.uk

Visit our website for: Technical Data Sheets, Product Guides,
BRE Acoustic Test Reports, BBA Certificates and more.

Rytons Ventilation Sets for Heat Producing Appliance and Room Ventilation

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Equivalent Area	Colours	Approvals & Testing
Code: TCL8 	Rytons '9x3' Ventilation Set with Flush Louvre Ventilator Combustion air vent for heat producing appliances. Internal baffle reduces light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Internal vent fixed open flush fitting louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-368mm L with air brick Louvre: 270mm L x 97mm H	5350mm ² 53.5cm ²  U.V. stabilised	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	  
Code: TCL8CWL 	Rytons '9x3' Cowled Ventilation Set with Flush Louvre Ventilator Combustion air vent for heat producing appliances. Cowl and internal baffle reduces light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Internal vent fixed open flush fitting louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-368mm L with air brick Cowl: 255mm L x 96mm H x 44mm D	5100mm ² 51cm ²  U.V. stabilised	Cowl: B/S, TC Air Brick: B/S, TC Louvre: WH	  
Code: TCL18 	Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Combustion air vent for heat producing appliances. Internal baffles reduce light and draughts. Provides over 100cm² equivalent area. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Internal vent fixed open flush fitting louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Louvre: 264mm L x 166mm H	10700mm ² 107cm ²  U.V. stabilised	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	  
Code: TCL18CW 	Rytons '9x6' Cowled Ventilation Set with Flush Louvre Ventilator Combustion air vent for heat producing appliances. Cowl and internal baffles reduce light and draughts. Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Internal vent fixed open flush fitting louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Cowl: 255mm L x 154mm H x 74mm D	9800mm ² 98cm ²  U.V. stabilised	Cowl: WH, B/S, TC Air Brick: WH, B/S, TC Louvre: WH	  
Code: TCL20 	Rytons '9x9' Ventilation Set with Louvre Ventilator Combustion air vent for heat producing appliances. Internal baffles reduce light and draughts. Provides over 160cm² equivalent area. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Internal vent fixed open louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Louvre: 271mm L x 247mm H	16580mm ² 165.8cm ²  U.V. stabilised	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	 
Code: TCL20CW 	Rytons '9x9' Cowled Ventilation Set with Louvre Ventilator Combustion air vent for heat producing appliances. Cowl and internal baffles reduce light and draughts. Provides over 140cm² equivalent area. Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Internal vent fixed open louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Cowl: 274mm L x 235mm H x 103mm D	14572mm ² 145.72cm ²  U.V. stabilised	Cowl: WH, B/S, TC Air Brick: WH, B/S, TC Louvre: WH	 

Colour Key

GR Grey	BL Black	BS Buff/Sand	TC Terracotta	WH White	BR Brown	B/B Blue/Black
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Rytons Direct Ventilation Kits, Floor Ventilators, Venting Kit and Intumescent RytBlocks

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Free Area	Colours	Approvals & Testing
Code: DVKIT 	Rytons Direct Ventilation Kits Direct ventilation kits for stoves. Allows combustion air direct from the outside. Does not introduce light and draughts into the room. A choice of grilles in plastic and stainless steel.	Semi-rigid Aluminium Ducting: 102mm Dia. x 1.5m L 127mm Dia. x 1.5m L 152mm Dia. x 1.5m L		External Grilles: A choice of grilles available in plastic and metal. See technical data sheet for details.	
Code: FV10BRAS 	Rytons Floor Ventilator with Brass Louvre Room ventilator. Utilises air from a ventilated sub-floor void. Mirror polished solid brass louvre. Inverted louvres provide a flush finish. Brass coloured screws included.	267mm L x 95mm H x 125mm D	11000mm ² 110cm ²	Louvre: Polished brass Sleeve: BL	 Irish Reg. Stat.
Code: FV10CHRO 	Rytons Floor Ventilator with Chromed Louvre Room ventilator. Utilises air from a ventilated sub-floor void. Chrome plated solid brass louvre. Inverted louvres provide a flush finish. Chrome coloured screws included.	267mm L x 95mm H x 125mm D	11000mm ² 110cm ²	Louvre: Chrome Sleeve: BL	 Irish Reg. Stat.
Codes: VKIT1M / VKIT 	Rytons Venting Kit (100mm) Multi-purpose venting kit. Ideal for tumble dryer extraction. External grille embossed DO NOT BLOCK. Flexible ducting available in two lengths. External grille U.V. stabilised against deterioration by sunlight.	Ducting: 100mm Dia. x 1m L 100mm Dia. x 3m L Ext. Grille: 166mm L x 160mm H	new U.V. stabilised	Ext. Grille: WH, B/S, TC, BL, BR	
Code: ACFIRE 	Rytons 125mm AirCore® Intumescent RytBlock Heavy duty intumescent grille for walls and ducts. Slats fuse together and seal in 2 minutes. Gives 3 hours protection preventing the passage of smoke and gases. Temperature increase insulated for 22 minutes. May be used in high humidity. Compatible with Rytons 125mm AirCores®.	118mm Dia. x 43mm D	5150mm ² 51.5cm ²	Steel grey 	Fire retardant
Code: TL8FIRE 	Rytons '9x3' Intumescent RytBlock Heavy duty intumescent grille for walls and ducts. Slats fuse together and seal in 2 minutes. Gives 3 hours protection preventing the passage of smoke and gases. Temperature increase insulated for 22 minutes. May be used in high humidity. Compatible with Rytons '9x3' AirLiners®.	206mm L x 58mm H x 44mm D	5330mm ² 53.3cm ²	Steel grey 	Fire retardant
Code: TL16FIRE 	Rytons '9x6' Intumescent RytBlock Heavy duty intumescent grille for walls and ducts. Slats fuse together and seal in 2 minutes. Gives 3 hours protection preventing the passage of smoke and gases. Temperature increase insulated for 22 minutes. May be used in high humidity. Compatible with Rytons '9x6' AirLiners®.	206mm L x 124mm H x 44mm D	13390mm ² 133.9cm ²	Steel grey 	Fire retardant



28



12



9

Rytons Accessories and AirCore® Components

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Free Area	Colours	Approvals & Testing
Code: TCL96EXT 	Rytons '9x6' AirLiner® Extension Horizontal extension for Rytons '9x6' AirLiners®. Easily installed with no extra fixing required. May be cut to length.	1000mm L x 222mm W x 140mm H	Not applicable	BL	
Code: HADAP100 	Rytons Horizontal Adaptor Allows a connection from Rytons Non-Telescopic AirLiner® (TCL8LNR) to 100mm (4") diameter flexible or rigid ducting.	215mm L x 67mm H x 49mm D excl. tube connector x 101mm Dia. spigot	5980mm² 59.8cm²	BL	
Code: ABC8 	Rytons AirCore® Cowl Surface mounted cover for openings, air bricks, grilles and vents. Protects against excessive weather conditions. Alleviates air blasts through the cavity. Textured roughcast finish. U.V. stabilised against deterioration by sunlight.	217mm L x 210mm H x 93mm D	16000mm² 160cm²  U.V. stabilised	B/S, TC, WH	
Code: LV110 	Rytons 125mm AirCore® Louvre '6x6' Multi-purpose louvre grille. Fixed open louvres allow high air flow. Compatible with Rytons '6x6' Backplate (APBACK). Embossed with DO NOT BLOCK. For internal and external use. U.V. stabilised against deterioration by sunlight.	166mm L x 160mm H x 34mm D (inc. louvres)	10600mm² 106cm²  U.V. stabilised	WH, B/S, TC	 Irish Reg. Stat.
Code: LV110GLD / CHR 	Rytons Deep Profiled Louvre Ventilator '6x6' Plastic louvre with quality gold and chrome effect. Stylish alternative to a white internal grille. Features fixed open louvres for use with Rytons 125mm Dia. combustion air vents. Simple replacement for white internal grille supplied. Embossed with DO NOT BLOCK. For internal use only.	166mm L x 160mm H x 34mm D (inc. louvres)	10600mm² 106cm² new	Gold Chrome	 Irish Reg. Stat.
Code: APBACK 	Rytons '6x6' Louvre Backplate with 122mm Dia. Spigot Backplate with 122mm dia. tube connector. Compatible with Rytons Louvre Ventilators '6x6' (LV110, LV103 and LV74F). Connects to Rytons 125mm AirCore® Tubes (AC10TUBE and AC7TUBE) and suits Rytons 125mm dia. RytHose range.	162mm L x 157mm H x 122mm Dia. male spigot	10900mm² 109cm²	WH	 Irish Reg. Stat.
Code: LVR75 	Rytons 125mm Round Louvre Ventilator Round louvre grille. Low profile fixed open louvres allow high air flow. Compatible with Rytons 125mm AirCore® Tubes (AC10TUBE and AC7TUBE). For external and internal use. U.V. stabilised against deterioration by sunlight.	124mm Dia. x 43mm D (inc. louvres)	8000mm² 80cm²  U.V. stabilised	WH, B/S, TC	 Irish Reg. Stat.

Available Bar Coded and Bagged for Display - Code LVR75BG

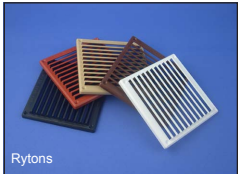


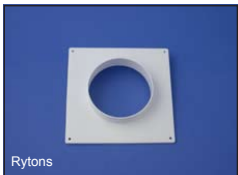


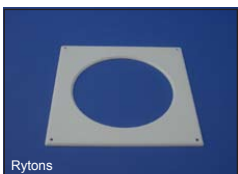
Rytons AirCore® Components

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Free Area	Colours	Approvals & Testing
Code: AC10TUBE 	Rytons 125mm AirCore® Tube Rigid tube. External baffle prevents water transfer across the cavity. Compatible with Rytons '6x6' Backplate (APBACK) to connect to Rytons Louvre Vents '6x6' (LV110). Connects to Rytons Round Louvre Vent (LVR75).	124mm Internal Dia. 127mm External Dia. x 358mm L	11600mm ² 116cm ²	BL	 Irish Reg. Stat.
Code: AC7TUBE 	Rytons 125mm Baffled AirCore® Tube Rigid tube containing light and draught reducing baffles. External baffle prevents water transfer across the cavity. Compatible with Rytons '6x6' Backplate (APBACK) to connect to Rytons Louvre Vents '6x6' (LV110). Connects to Rytons Round Louvre Vent (LVR75).	124mm Internal Dia. 127mm External Dia. x 358mm L	10300mm ² 103cm ²	BL	 Irish Reg. Stat.
Code: ACCONNECT 	Rytons 125mm AirCore® Tube Connector Connects Rytons 125mm AirCore® Tubes (AC10TUBE and AC7TUBE) together. Push fit connection.	122mm Dia.	10900mm ² 109cm ²	WH	
Code: LV120 	Rytons 150mm AirCore® Louvre '7x7' Multi-purpose louvre grille. Fixed open louvres allow high air flow. Compatible with Rytons '7x7' Backplate (LVBACK150). Embossed with DO NOT BLOCK. For internal and external use. U.V. stabilised against deterioration by sunlight.	177mm L x 173mm H x 34mm D (inc. louvres)	11995mm ² 119.95cm ²	WH, B/S, TC	 U.V. stabilised
Code: LVBACK150 	Rytons '7x7' Louvre Backplate with 144mm Dia. Spigot Backplate with 144mm dia. tube connector. Compatible with Rytons Louvre Ventilator '7x7' (LV120). Connects to Rytons 150mm AirCore® Tubes (AC11TUBE and AC9TUBE) and suits Rytons 150mm dia. RythHose range.	173mm L x 169mm H x 144mm Dia. male spigot	15300mm ² 153cm ²	WH	
Code: AC11TUBE 	Rytons 150mm AirCore® Tube Rigid tube. External baffle prevents water transfer across the cavity. Compatible with Rytons '7x7' Backplate (LVBACK150) to connect to Rytons Louvre Vent '7x7' (LV120).	145mm Internal Dia. 151mm External Dia. x 358mm L	16500mm ² 165cm ²	BL	
Code: AC9TUBE 	Rytons 150mm Baffled AirCore® Tube Rigid tube containing light and draught reducing baffles. External baffle prevents water transfer across the cavity. Compatible with Rytons '7x7' Backplate (LVBACK150) to connect to Rytons Louvre Vent '7x7' (LV120).	145mm Internal Dia. 151mm External Dia. x 358mm L	13100mm ² 131cm ²	BL	

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Visit our website for: Technical Data Sheets, Product Guides,
BRE Acoustic Test Reports, BBA Certificates and more.

Rytons Venting Kit Components

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Free Area	Colours	Approvals & Testing
Code: LV103 	Rytons Louvre Ventilator '6x6' Multi-purpose louvre grille. Fixed open louvres allow high air flow. Compatible with Rytons '6x6' Backplates (LVBACK and APBACK). Embossed with DO NOT BLOCK. For internal and external use. U.V. stabilised against deterioration by sunlight.	160mm L x 166mm H	10360mm ² 103.6cm ²  U.V. stabilised	WH, B/S, TC, BL, BR	 Irish Reg. Stat.
Code: LVBACKWH 	Rytons Venting Kit Backplate with 97mm Dia. Spigot Backplate with 97mm dia. tube connector. Compatible with Rytons Louvre Ventilators '6x6' (LV103, LV74F and LV110). Connects to Rytons Rigid Pipe (RD4/RND) and suits Rytons 100mm dia. RytHose range (or use Female Hose Connector RD4HCF).	163mm L x 159mm H x 97mm Dia. male spigot	7300mm ² 73cm ²	WH	
Code: RDLVBG 	Rytons '6x6' Louvre & 97mm Dia. Backplate Low profile fixed open louvre grille with 97mm dia. spigot for rigid pipe and flexible ducting. Connects to Rytons Rigid Pipe (RD4/RND) and suits Rytons 100mm dia. RytHose range (or use Female Hose Connector RD4HCF). U.V. stabilised against deterioration by sunlight.	166mm L x 160mm H x 97mm Dia. male spigot	7300mm ² 73cm ²  U.V. stabilised	WH, B/S, TC, BL, BR WH backplate	
Code: INTPLATE 	Rytons Internal Plate Plate to make good internal surface. Covers damage caused by drilling. Aperture accommodates any 100mm dia. ducting.	162mm L x 158mm H with 113mm Dia. aperture	10000mm ² 100cm ²	WH	
Available Bar Coded and Bagged for Display - Code INTPLABG					

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Colour Key

GR Grey	BL Black	BS Buff/Sand	TC Terracotta	WH White	BR Brown	B/B Blue/Black
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Quick view guide to Rytons Acoustic Ventilators for Heat Producing Appliance and Room Ventilation

Rytons Product	Product Code	D n,e,w	Equivalent Area	Page
Rytons 125mm Acoustic AirCore®	AAC5	39 dB	3970mm²	14
Rytons Cowled 125mm Acoustic AirCore®	AAC5CWL	40 dB	3940mm²	14
Rytons 125mm Acoustic High Rise AirCore®	AAH5	41 dB	3880mm²	14
Rytons 150mm Acoustic AirCore®	AAC625	36 dB	7906mm²	14
Rytons Cowled 150mm Acoustic AirCore®	AAC625CW	38 dB	7511mm²	14
Rytons 150mm Acoustic AirCore®	AAC635	41 dB	5412mm²	14
Rytons Cowled 150mm Acoustic AirCore®	AAC635CW	42 dB	5248mm²	14
Rytons '9x3' Acoustic AirLiner® Set with Flush Louvre Ventilator	TAL4SET	38 dB	2590mm²	15
Rytons '9x3' Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator	TAL4CWL	39 dB	2580mm²	15
Rytons '9x6' Acoustic AirLiner® Set with Flush Louvre Ventilator	TALSET	39 dB	3965mm²	15
Rytons '9x6' Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator	TALCWL	42 dB	4033mm²	15
Rytons '9x9' Acoustic AirLiner® Set with Louvre Ventilator	TAL9SET	38 dB	7171mm²	15
Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator	TAL9CWL	40 dB	6954mm²	15





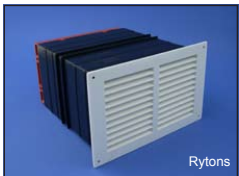

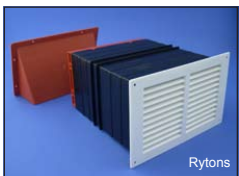

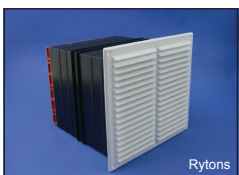

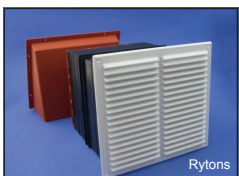

Product Code	D n,e,w (dB)	Converted Octave Band Value (dB)						
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
AAC5	39	34.5	42.9	35	32.7	46.5	59.5	64.7
AAC5CWL	40	34.5	41.8	32.9	33.6	51.6	63.8	68.1
AAH5	41	-	43.8	40.2	35.9	42.1	63.9	62.9
AAC625	36	33.4	40.9	32.8	29.9	45.8	52.3	57.9
AAC625CW	38	33.6	40.3	29.9	32	52.6	57.8	61.9
AAC635	41	33.8	41.8	35.1	34.8	51.9	60.5	63.9
AAC635CW	42	33.6	41.1	32.6	38.6	56.3	65.4	68.7
TAL4SET	38	35.1	43	42.3	35.8	37.7	40.2	45.1
TAL4CWL	39	35	43.2	42.8	37.1	37.8	40.9	49
TALSET	39	35.8	38.3	35.2	34.4	41.2	48.8	53.8
TALCWL	42	36.2	38.9	35.7	36.2	43.7	51.7	57.8
TAL9SET	38	35	37.4	31	33.8	39.5	46.2	52.3
TAL9CWL	40	34.6	38.2	31.7	33.9	43.3	51.6	56.6

All figures are reproduced in good faith and to the best of our knowledge are true and accurate.
Customers should satisfy themselves that the products are suitable for the intended purpose by using this information in conjunction with Rytons Technical Data Sheets and BRE Acoustic Test Reports available from www.vents.co.uk.

Rytons 125mm Dia. and 150mm Dia. Acoustic AirCores® for Heat Producing Appliance and Room Ventilation

Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Equivalent Area	Colours	Approvals & Testing
Note: Converted octave band data for low, medium and high level frequency bands can be found on page 13.					
Code: AAC5 	Rytons 125mm Acoustic AirCore® (39 dB) Combustion air vent for heat producing appliances. Acoustic lining reduces sound to 39 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Grilles: 166mm L x 160mm H	3970mm ² 39.7cm ²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see pg 10)	 Irish Reg. Stat.  BRE Tested Advantica Tested
Code: AAC5CWL 	Rytons Cowled 125mm Acoustic AirCore® (40 dB) External cowl reduces light and draughts. Acoustic lining reduces sound to 40 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	3940mm ² 39.4cm ²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see pg 10)	 Irish Reg. Stat.  BRE Tested Advantica Tested
Code: AAH5 	Rytons 125mm Acoustic High Rise AirCore® (41 dB) Fitted from the inside for high level installations. Acoustic lining reduces sound to 41 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 127mm Dia. x 358mm L Int. Grille: 166mm L x 160mm H	3880mm ² 38.8cm ²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH, new Gold & Chrome (see pg 10)	 Irish Reg. Stat.  BRE Tested Advantica Tested
Code: AAC625 	Rytons 150mm Acoustic AirCore® (36 dB) Combustion air vent for heat producing appliances. Acoustic lining reduces sound to 36 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Grilles: 177mm L x 173mm H	7906mm ² 79.06cm ²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AAC625CW 	Rytons Cowled 150mm Acoustic AirCore® (38 dB) External cowl reduces light and draughts. Acoustic lining reduces sound to 38 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	7511mm ² 75.11cm ²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AAC635 	Rytons 150mm Acoustic AirCore® (41 dB) Combustion air vent for heat producing appliances. Acoustic lining reduces sound to 41 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Grilles: 177mm L x 173mm H	5412mm ² 54.12cm ²  U.V. stabilised	Ext. Grille: WH, B/S, TC Int. Grille: WH	 
Code: AAC635CW 	Rytons Cowled 150mm Acoustic AirCore® (42 dB) External cowl reduces light and draughts. Acoustic lining reduces sound to 42 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Core drilled - suitable for retrofit installations. Cowl/grilles U.V. stabilised to protect against fading.	Tube: 151mm Dia. x 358mm L Cowl: 217mm L x 210mm H x 93mm D	5248mm ² 52.48cm ²  U.V. stabilised	Cowl: WH, B/S, TC Ext. Grille: WH, B/S, TC Int. Grille: WH	 

Rytons Acoustic AirLiner® Sets for Heat Producing Appliance and Room Ventilation

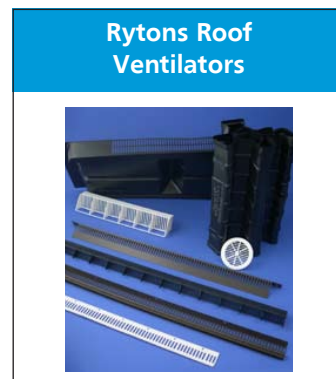
Rytons Order/Specification Code	Main Uses, Features and Benefits	Size	Equivalent Area	Colours	Approvals & Testing
Note: Converted octave band data for low, medium and high level frequency bands can be found on page 13.					
Code: TAL4SET 	Rytons '9x3' Acoustic AirLiner® Set with Flush Louvre Ventilator (38 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 38 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Internal baffle reduces light and draughts. Internal vent fixed open flush fitting louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-368mm L with air brick Louvre: 270mm L x 97mm H	2590mm ² 25.9cm ²	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	 BRE Tested Advantica Tested
Code: TAL4CWL 	Rytons '9x3' Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator (39 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 39 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by Advantica. HETAS approved for use with solid fuel appliances. Cowl and internal baffle reduces light and draughts. Internal vent fixed open flush fitting louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-368mm L with air brick Cowl: 255mm L x 96mm H x 44mm D	2580mm ² 25.8cm ²	Cowl: B/S, TC Air Brick: B/S, TC Louvre: WH	 BRE Tested Advantica Tested
Code: TALSET 	Rytons '9x6' Acoustic AirLiner® Set with Flush Louvre Ventilator (39 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 39 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Internal baffles reduce light and draughts. Internal vent fixed open flush fitting louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Louvre: 264mm L x 166mm H	3965mm ² 39.65cm ²	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	 bre
Code: TALCWL 	Rytons '9x6' Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator (42 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 42 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Cowl and internal baffles reduce light and draughts. Internal vent fixed open flush fitting louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Cowl: 255mm L x 154mm H x 74mm D	4033mm ² 40.33cm ²	Cowl: WH, B/S, TC Air Brick: WH, B/S, TC Louvre: WH	 bre
Code: TAL9SET 	Rytons '9x9' Acoustic AirLiner® Set with Louvre Ventilator (38 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 38 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Internal baffles reduce light and draughts. Internal vent fixed open louvre. Grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Louvre: 271mm L x 247mm H	7171mm ² 71.71cm ²	Air Brick: GR, BL, B/S, TC, WH, BR, B/B Louvre: WH	 bre
Code: TAL9CWL 	Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB) Combustion air vent for heat producing appliances. Acoustic panels reduce sound to 40 dB D_{n,e,w} (BRE). Verifiable equivalent area calculation by the BRE. HETAS approved for use with solid fuel appliances. Cowl and internal baffles reduce light and draughts. Internal vent fixed open louvre. Cowl/grilles U.V. stabilised to protect against fading.	Extends from 250-404mm L with air brick Cowl: 274mm L x 235mm H x 103mm D	6954mm ² 69.54cm ²	Cowl: WH, B/S, TC Air Brick: WH, B/S, TC Louvre: WH	 bre

Colour Key

GR Grey	BL Black	BS Buff/Sand	TC Terracotta	WH White	BR Brown	B/B Blue/Black
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Rytons Product Guides, Technical Data Sheets and AutoCAD Drawings

Rytons Product Guides are available to download free of charge from www.vents.co.uk/productguides.htm



Technical Data Sheets are available by email, fax or post, simply contact Rytons sales office on 01536 511874 or email lit@rytons.com with your request. You can also view, download and print out copies free of charge from www.vents.co.uk.

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Number of Employees: _____

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Rytons Building Products Ltd

Design House, Kettering Business Park, Kettering, Northants. NN15 6NL

T: +44 (0)1536 511874 F: +44 (0)1536 310455 E: admin@rytons.com

