

Product Assessment Screening System

Full Assessment for GreenSpec PASS +

Manufacturer: (Name)	Ventive Ltd.
Supplier: (Name)	Ventive Ltd.
Website:	www.ventive.co.uk
Product Reference:	Ventive S
Description of product/system:	Retrofit Passive and Active Ventilation with Heat Recovery for retrofitting into existing chimney stacks; uses stack effect, low or high wind speeds to exchange air and recover heat without additional power or plumbing work.
Application: (promoted by manufacturer):	Passive heat recovery ventilation system with heat recovery designed to fit into existing chimney stacks, replacing the chimney pot with a cowl and cassette that features an innovative and efficient heat exchanger.
Is it competent in this application?:	
Claims made appear in:	
Literature	Product Promotional Literature
Advertising	None
Website:	www.ventive.co.uk
Review based upon:	
Webpage URL/PDF URL:	http://www.ventive.co.uk/products/
Document name/File name:	VentiveTechnicalSpecs
Date of document:	11/07/2012
Revision of document:	n/a
Assessor initials:	PB
Assessment date: (DD/MM/YYYY)	15/08/2012
Reviewer initials:	BRM
Last review date: (DD/MM/YYYY)	14/02/2013
GreenSpec Assessment:	Characteristics of the 'normal' or 'average' product in the same category:
Description of 'Normal' or 'Average' Product in the same category:	Passive ventilation with heat recovery system
Normal or Average Product: Characteristics: 1	No equivalent products are on the market for retrofit into chimneys
Normal or Average Product: Characteristics: 2	Passive Ventilation Heat Recovery is normally built into new construction
Normal or Average Product: Characteristics: 3	Indoor Air Quality can fall if indoor temperatures are lower than outdoors and no wind is present
Normal or Average Product: Characteristics: 4	WC smells will not activate humidity regulated vent openings, allowing indoor air quality to fall.
How is this product better than 'normal' or 'average' product in the same category?	
Features:	Benefits:
Benefits: Materials: 1	Invented, patented and made in the UK
Benefits: Properties: 1	High efficiency heat exchanger: (86-97%)
Benefits: Properties: 2	Operates as Passive ventilation (stack effect) when no wind speed is present (70% of time)
Benefits: Properties: 3	Operates as Active Ventilation (Int/Ext wind pressure difference) at low to high wind speed (30% of time)
Benefits: Properties: 4	User adjustable room diffuser inlets to regulate air flow
Benefits: Properties: 5	System not humidity regulated
Benefits: Applications: 1	Retrofit PVHR unit for existing chimneys
Benefits: Applications: 2	Utilises existing chimney stack, replaces pot with cowl and cassette
Benefits: Applications: 3	No need for plumbing sub-contractors
Benefits: Applications: 4	No need for electrical sub-contractors
Benefits: Applications: 5	Can retain fire place for display purposes only
Benefits: competence: 1	No running costs
Benefits: competence: 2	Trickle ventilation if people absent
Benefits: competence: 3	Increased flow when people present
Benefits: competence: 4	Showering or cooking increases temperature then air and heat flow (passive boost)
Benefits: competence: 5	University research department test evidence papers URL:
Benefits: Accreditations: 1	None
Benefits: Endorsements: 1	Retro Expo 2012 Building Services Product of the Year
How is this product worse than 'normal' or 'average' product in the same category?	
Features:	Problems:
Problems: Materials: 1	None identified
Problems: Properties: 1	Inactive on hot still air summer days
Problems: Applications: 1	New product, unfamiliarity to professionals and specifiers
Problems: Applications: 2	Loss of use of fireplace for open fires
Problems: Product competence: 1	No summer heat recovery by pass (see other models)
Problems: Product competence: 2	No boost ventilation setting to deal with cold smells on calm days
Problems: Product competence: 3	If fireplace removed/blocked off, flue above fireplace must be ventilated
Problems: Accreditations: 1	None identified
GreenSpec PASS result	
Pass or Fail	Pass
The evidence rating (no LCA/EPD = Bronze)	Bronze