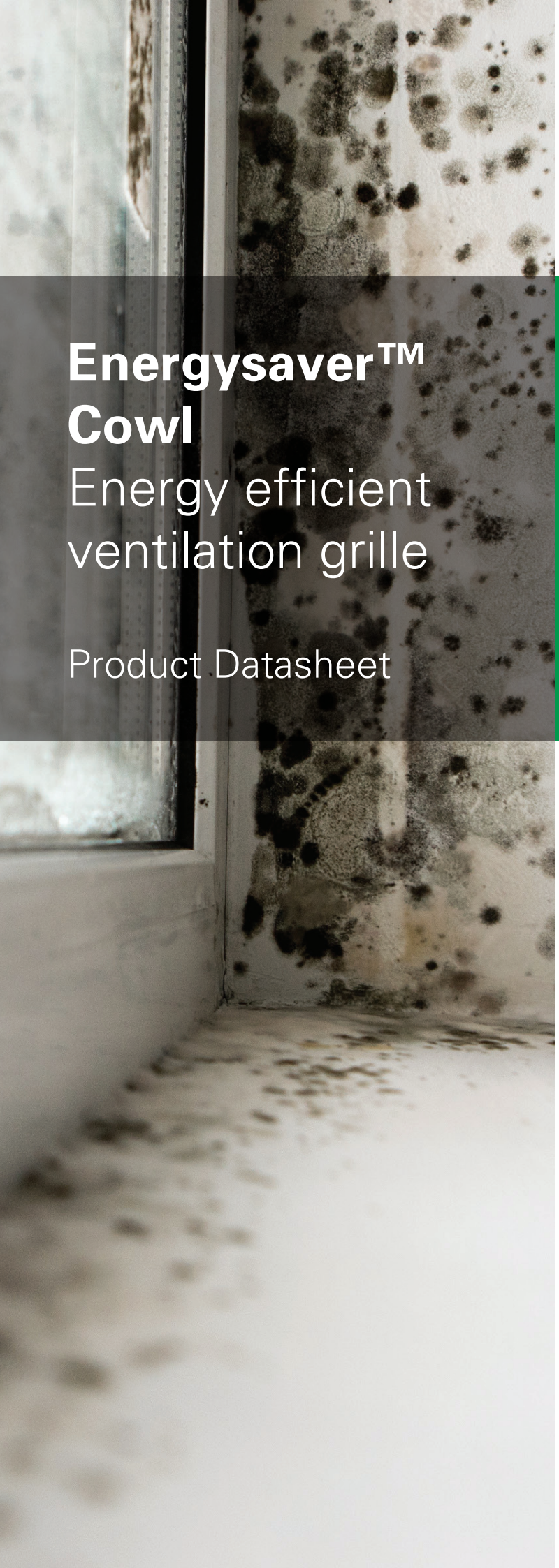


AIRTECH

Condensation, Mould & Radon Specialists

Energysaver™ Cowl

Energy efficient ventilation grille

Product Datasheet

- Energy saving
- Increases fan performance and efficiency
- Reduces carbon footprint
- Easy to install
- No maintenance required

Order Code	
ESG150WALLB	150 Wall fit Brown
ESG150WALLW	150 Wall fit White
ESGWK150	150 Window fit only in White
ESG100WALLB	100 Wall fit Brown
ESG100WALLW	100 Wall fit White
ESGWK100	100 Window fit only in White
HRESG150B	150 High Rise Brown
HRESG150W	150 High Rise White
HRESG100B	100 High Rise Brown
HRESG100W	100 High Rise White

Benefits

The Energysaver™ Cowl counteracts the detrimental effects of external wind on the performance of mechanical extract ventilation systems and passive vents. The cowl is up to 20% less resistant to airflow making the extractor fan up to 20% more energy efficient than when used with a conventional cowl or grille. It also alleviates 'blow back' thus further increasing extractor fan efficiency and reducing energy consumption - all of which contribute to a reduction in the carbon footprint.

Energysaver™ Cowl is the only independently tested energy efficient ventilation grille.

When used in conjunction with Airtech Energysaver™ fans the cowls offer one of the most energy efficient ventilation packages available today.

The Energysaver™ Cowl is Part F Compliant and offered in 100mm (4inch) and 150mm (6inch) sizes.

Special Features

- Patented design
- Virtually eliminates 'blow back' when fan is running
- Increases efficiency of fan by up to 20%
- Reduces running cost of fan
- Especially suited to installations in windy locations and high rise buildings
- Available in white and brown

General

- Independently tested
- Part F Compliant
- Available in 100mm (4inch) and 150mm (6inch) sizes
- Can be used with all mechanical and passive ventilation systems
- Suitable for:
  Window fit
  Wall fit
  Passive vents
  Mechanical extract
  High Rise

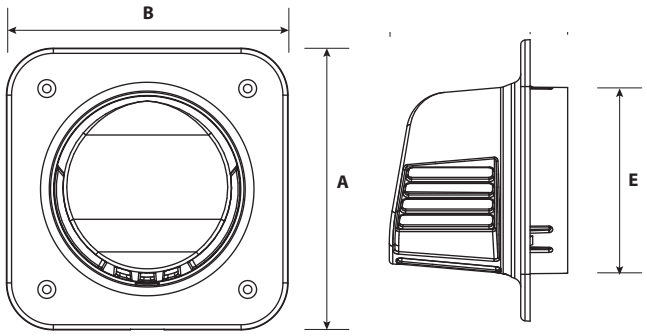
Extract and passive ventilation systems all require external cowls or grilles to prevent draughts and rain ingress from entering a dwelling. Conventional grilles, even those with fixed louvres, are adversely effected by upward and cross winds that significantly reduce their Effective Area. This has serious adverse implications, particularly in relation to the statutory fresh air requirement for gas vents.

The problem is that the standard test to determine Effective Area is always measured to 'free air' and wind effect can reduce Effective Area by up to 50%. Wind speeds as low as 5m/sec will make it impossible for most domestic mechanical ventilators to achieve 15 litres/sec extraction.

Construction

The Energysaver™ Cowl is produced as a one piece moulding in tough, weather resistant PVCu. It is supplied with a snap-on mounting plate pre-drilled to suit 100mm (4inch) and 150mm (6inch) size ventilation installations.

Dimensions (mm)



Casing

Size	A	B	C	D	E
150	200	200	80	30	149
100	150	150	65	30	99

Hole diameter

Size	Wall	Window	High-rise
150	158	188	165
100	107	130	115

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