

# Technical Data Sheet

## PASSYFIER VENT 100

### CORE DEHUMIDIFER VENT



#### **Description:**

The Passyfier Vent 100 provides an opening on a section of wall normal to the airflow direction with an effective area well in excess of the minimum requirement.

Airflow through the opening is controlled automatically by the intervening mineral wool slab and thereby avoids undue draughts.

It is important to realise that the release of moisture vapour pressure within a dwelling to avoid condensation does not require a specific ventilation rate.

The moisture vapour pressure within a dwelling is always higher than the outside pressure therefore there will always be an escape of moisture vapour by the diffusion process through the Passyfier Vent.

The diffusion process is slow compared with mechanical ventilation and would not cope with the copious amount of water vapour produced in a short time scale without the combined use of mechanical ventilation in kitchens and bathrooms.

Its main use is in habitable rooms where it operates continuously without noise and over a 24 hour period can extract a maximum of 1 litre of water/day even at low vapour pressures.

#### **Recommendations:**

It is much easier to fit the Passyfier **Core** Vent Kit in existing clinker/concrete walls. However, it will be necessary to install two Passyfier Core Vents to achieve almost the same water vapour transmission as one Passyfier **Sleeved** Vent Kit.

**Note:** Passyfier Vents are used as an aid to help control humidity and are NOT to be used as a method of providing ventilation to any gas, oil, or solid fuel appliance.

#### **PASSYFIER VENT 100 CORE WALL VENT KITS:**

##### **Order Codes:**

<b>AC02B</b>	External Cowl BROWN
<b>AC02W</b>	External Cowl WHITE
<b>AC02BF</b>	External Cowl BUFF
<b>AC02T</b>	External Cowl TERRACOTTA

##### **Specifications:**

- Maximum water vapour transmission 1 litre per 24 hours
- Maximum floor area per vent kit equals 7m<sup>2</sup>
- Main tube length (open), 420mm
- Main tube length (closed), 250mm
- Main outer tube diameter equals 127mm (5")
- Use 132mm diameter core bit drill
- Internal grille always in white with built in fly screen.

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Platinum Building Chemicals Ltd, Unit 10 Colvilles Park, Kelvin Industrial Estate, East Kilbride, Lanarkshire, G75 0GZ

Tel - 01355 222777 Fax - 01355 222715

Web - [www.platinumchemicals.co.uk](http://www.platinumchemicals.co.uk) E-mail - [info@platinumchemicals.co.uk](mailto:info@platinumchemicals.co.uk)