



SOVEREIGN *ConCure* 20/20



By Appointment to H.M. The Queen
Building Contractors Association
The College of Architects Ltd
Builders in Training



Positive Ventilation Systems

BENEFITS

- Condensation Control
- Inexpensive
- Easy to install
- Whole Home Ventilation
- Enhanced Heat Distribution
- Musty Odours Removed
- Eradicates Mould
- Improved Air Quality
- Health Benefits for people suffering from Respiratory Problems
- Highly Effective and Energy Efficient
- Radon Reduction

Two Simple, Inexpensive, Proven Systems for Controlling Condensation Problems and associated Black Mould growth, whilst improving Air Quality throughout Domestic Properties

Clean
Healthy
Fresh
Filtered
Air
in
Your
Home



A state of the art, house ventilation and condensation control unit for properties with a loft space. This unit gently ventilates the home from a central position on the landing in the house or central hallway in a bungalow.



A stylish, unique and innovative diffuser is fitted to the ceiling of the landing

or hallway and the system gently ventilates the home. The Energy Efficient Sovereign Concure 20/20 loft mounted unit utilises the latest technology to ensure minimum energy consumption and long trouble free life. The 140 x 220mm centre mounted forward curve centrifugal fan is powered by a 2 phase ultra low watt brushless DC motor for quiet and efficient running. A microprocessor controls air supply according to environmental and selected settings. The motor electronics are designed for the best possible energy conversion and performance.



SOVEREIGN
Concure



LOFT MOUNTED UNIT

Positioned in the loft above the Landing in a house or central hallway of a Bungalow, the system takes maximum advantage of solar gain and warm air stratification.



POOR AIR QUALITY

In winter months, when the problems of condensation are at their worst, most ventilation systems and extraction fans are switched off because they introduce cold air into the property.



BLACK MOULD

Similarly, open windows will lose heat and leave a property vulnerable to unforced entry.

Radon Protection

Radon remediation measures are sometimes required in existing buildings where the level of Radon has been measured and found to be above the action level. Various methods of remediation exist that have varying degrees of success and are suitable only for certain levels of measured Radon contamination. By far the most successful method for reducing Radon levels in existing buildings

Effectiveness of Remediation Techniques

200

600

FILLING MAJOR GAPS	200
INCREASE INTERNAL VENTILATION	200
INCREASE SUB FLOOR VENTILATION	200
INCREASE SUB FLOOR VENTILATION WITH	200
POSITIVE PRESSURISATION	200
PASSIVE SUMP	200
FAN ASSISTED SUMP	200

High Likelihood of Success

AMP, MOULD & CONDENSATION

Only the Sovereign ConCure 20/20 systems with their unique, intrinsically safe heater will automatically resolve this problem by gently warming the air which is to be circulated.

BEFORE

AFTER

without major disruption to the householder is the use of Positive Pressure Systems such as the Sovereign ConCure 20/20 units. These work by blowing a slow, steady stream of fresh air into the building, causing a small increase in the internal pressure of the house which in turn forces Radon out of the building through gaps/voids that are present in all types of construction.

Indoor Radon Concentration (Bq/m^3)

1000

1400

FAN
WITH CONCURE

AND UPWARDS

Some Success has been Achieved

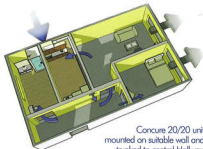


SOVEREIGN ConCure 20/20



WALL MOUNTED UNIT

The wall mounted unit utilises the same low watt motor technology as the Loft unit. It draws fresh air into the home which then mixes with the warm air that accumulates at ceiling level. This process helps re-distribute heat around the home.



Concure 20/20 unit mounted on suitable wall and trunked to central Hallway.



A Sophisticated unit designed to provide home ventilation and condensation control in Flats and Basements.

Air inlet from outside
(Can be left or right handed, to the side or rear of the unit).

Integral Air Filter

Air delivered to Central Hallway
(Delivery can be to left or right).

Suitable for Ceiling Mounting

Integral comfort pre-heater

Double skin carcass for improved insulation

Clean
Healthy
Fresh
Filtered
Air
in Your
Flat or
Basement

Positive Ventilation Systems

Provide a **Whole Home Solution** to indoor air quality by **Cleaning and Regenerating** the air, effectively **Reducing Moisture Levels** and **Other Airborne Contaminants**

TYPICAL RUNNING COSTS

Both Units

Fan only on
1.5 pence
per Day

With Heater on during cold periods
10 pence per Day

N.B. Overall savings in Central Heating Costs may be possible due to the recirculation of warm air at ceiling height (Stratification) and Solar Gain (Loft unit only).

for Sales or Technical assistance please contact Sovereign Chemicals Ltd on 0845 6030722

ELECTRONIC CONTROLLER

Both units feature an integral pre-heater designed to temper the incoming air during periods of low external temperatures.

The Intelligent Electronic Controller is used in both the Loft and Wall mounted units. It controls the Fan, Heater, Sensors and Safety Cutouts, and can be adjusted to suit the size of the individual property.



TECHNICAL DETAILS

Ultra low watt brushless DC motor for quiet and efficient running using approx 6 watts.

Integral Pulse pre-heater uses 500 watts and has safety cutouts

Integral Air Filter requires changing every 2-3 years for Flat unit and 5 years for Loft unit and is a simple and straight forward task.

Integral Hours run meter for monitoring of operational life and verification of usage.

Miniature Integrated Circuit board for controlling Fan, Heater, Sensors and Safety Cutouts.



Loft Mounted Unit



Wall Mounted Unit

The Sovereign ConCure 20/20 Positive Ventilation Systems must be installed by a qualified electrician



SOVEREIGN



Park Road, Barrow in Furness, Cumbria LA14 4EQ

tel:01229 870800 fax:01229 870850 email:sales@sovchem.co.uk web site:www.sovchem.co.uk