

# How Does FLUXO Combat Dampness and Mould in Social Housing?

The FLUXO system effectively combats dampness and mould growth in social housing by providing continuous, balanced ventilation. This prevents moisture accumulation, which is a primary cause of mould. By extracting stale, humid air and supplying fresh, filtered air, FLUXO maintains optimal indoor air quality, significantly reducing the risk of condensation and related issues.

## **Understanding Dampness and Mould in Social Housing**

Dampness and mould are prevalent issues in social housing, often stemming from inadequate ventilation. In these environments, moisture can accumulate, leading to health problems and structural damage. The FLUXO system addresses these concerns through its innovative design and operation.

### **What Causes Dampness and Mould?**

1. **Inadequate Ventilation:** Poor airflow traps moisture indoors, particularly in kitchens and bathrooms.
2. **Condensation:** This occurs when warm, moist air meets cold surfaces, leading to water droplets forming on walls and windows.
3. **Humidity:** High indoor humidity levels can be exacerbated by daily activities like cooking, showering, and drying clothes.

### **The Role of Continuous Ventilation**

Continuous ventilation is crucial for maintaining a healthy indoor environment. The FLUXO system operates on a 70-second cycle, alternating between extracting stale air and supplying fresh air. This mechanism ensures that humidity levels remain balanced, effectively preventing the conditions that lead to mould growth.

## **How FLUXO Works**

### **Key Features of the FLUXO System**

- **Heat Recovery:** The innovative heat exchanger retains over 82% of the heat from the outgoing air, ensuring energy efficiency while maintaining warmth in the home.
- **Continuous Operation:** The system runs continuously, providing a steady flow of fresh air and preventing moisture build-up.
- **User Control:** An optional switch allows users to set the system to extract-only mode, which is beneficial for quickly reducing humidity in overheated rooms.

### **Benefits of FLUXO in Combatting Dampness**

1. **Prevents Condensation:** By maintaining airflow, FLUXO reduces the likelihood of warm air meeting cold surfaces, thus minimising condensation.
2. **Improves Air Quality:** The system filters incoming air, removing pollutants and allergens,

contributing to a healthier living environment.

3. **Cost-Effective:** With low running costs averaging £5 per unit per year, FLUXO is an economically viable solution for social housing.

## Addressing Specific Concerns

### Reducing Humidity Levels

The FLUXO system helps maintain humidity levels below 60%, which is critical in preventing mould growth. Academic studies suggest that indoor humidity above this threshold can lead to significant mould proliferation.

### Enhancing Indoor Air Quality

By continuously exchanging stale air for fresh air, FLUXO significantly enhances indoor air quality. This is particularly important in social housing, where residents may be more vulnerable to respiratory issues caused by poor air quality.

### Compliance with Regulations

The FLUXO system is designed to comply with the latest UK building regulations regarding ventilation. This ensures that social housing meets the required standards for air quality and moisture control.

## Conclusion

The FLUXO system by VENTI offers a robust solution to the challenges of dampness and mould in social housing. Its continuous ventilation capabilities, coupled with energy efficiency and user control, make it an ideal choice for improving indoor air quality and ensuring a healthier living environment.

**For more information on how FLUXO can enhance your living space, contact our customer support team today!**