

## Overview

Refrigeration condensation occurs when warm, humid air meets a cooler surface, such as cabinet display glass. This excess moisture can lead to condensation buildup, which can obstruct the view of the display and potentially cause issues like mould growth wood rotting and paint peeling. While wiping down the glass temporarily solves the problem, it does not address the underlying cause.

To reduce condensation on display glass, it is important to balance the temperature and humidity levels in the building. Adjusting the room temperature to be slightly cooler can decrease the dew point, making the air cooler and drier. Installing a dehumidifier can also help control air moisture, reducing the likelihood of condensation formation by minimising water circulation and over saturation.

Additionally, it is crucial to regularly maintain equipment and check the building for any areas where moisture may be entering, such as around windows and doors. Excess moisture or leaks can contribute to humidity problems.

In terms of optimal conditions, the room temperature should ideally be around 21° C with the humidity levels ranging from 30 to 50%.

It is important to note that the maximum limit for temperature is 25° C while the limit for humidity is 60%

By implementing these preventative measures and maintaining appropriate temperature and humidity levels, you can effectively reduce condensation on display glass and prevent related issues in your establishment.

## Preventative Measures:

- Maintain room temperature.
- Fit air conditioning.
- Minimise moist air entering the space
- An anti fog spray may help reduce or eliminate condensation. These sprays are used on vehicle windscreens to prevent fogging up. Apply it to the outside of the fridge display glass.
- Do not overload the display leave space between products.
- Avoid placing warm food into the display.
- Regularly clean the condensing coil



We trust that these suggestions have been beneficial in minimizing condensation in your display fridge. By adhering to these recommendations, you can ensure the smooth and efficient operation of your display fridge for an extended period of time.

